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**MEASUREMENT OF SOIL MOISTURE TRENDS****WITH AIRBORNE SCATTEROMETERS**

by

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Marshall J. McFarland

Wesley D. Rosenthal

Sidney W. Theis

February 1982

Supported by:

National Aeronautics and Space Administration

Goddard Space Flight Center

Beltsville, Maryland

Contract NSG-5134



**TEXAS A&M UNIVERSITY**  
**REMOTE SENSING CENTER**  
COLLEGE STATION, TEXAS



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## PREFACE

The final report of Project RSC-3458, "Measurement of Soil Moisture Trends with Airborne Scatterometers" is divided into three volumes. The first volume deals primarily with the work completed by Dr. Sidney Theis relating multispectral (visible through microwave) information to soil moisture trends in bare and vegetated fields. The second volume deals primarily with the work of Dr. Wesley Rosenthal in relating the same multispectral data sets to agricultural crop classification and biomass estimation. The third volume by Ms. Cheryl Jones, details field work, aircraft schedules, data processing and calibrations, and the final data sets.

## **ABSTRACT**

Guymon, Oklahoma and Dalhart, Texas were the sites for an experimental program designed to investigate aircraft multisensor responses to soil moisture and vegetation in agricultural fields. An intensive ground sampling program was conducted in conjunction with aircraft data collected for visible/infrared and passive and active microwave systems. The period of study at Guymon was August 1 through 18, 1978 and at Dalhart from August 13 through 19, 1980.

## INTRODUCTION

In order to evaluate the potential of multisensor satellite systems for crop yield estimates and hydrologic applications, an aircraft remote sensing experiment was conducted in agricultural areas near Guymon, Oklahoma and Dalhart, Texas. Detection of soil moisture related parameters was investigated over a wide range of conditions with visible and microwave sensors.

In 1978 the Guymon study was primarily aimed at evaluating soil moisture detection with airborne scatterometers and correlating this data with concurrent Seasat SAR data (see Blanchard et al., 1981). The Dalhart project in 1980 was expanded to include studies of vegetation. The results of these studies and recommendations of optical sensor combinations are discussed in accompanying reports by Rosenthal and Theis.

Both experiments were designed with an extensive ground sampling program for correlation with temporal aircraft data. The field work was completed by cooperative efforts of the Remote Sensing Center at Texas A&M University and the Remote Sensing Department of the University of California at Santa Barbara.

## SCOPE OF THE REPORT

This paper is one of three final reports for NASA Contract NSG-5134. The report summarizes the experimental program design, collection of field and aircraft data and processing procedures. Discussed first are the site selections and differences between the Guymon and Dalhart studies. Each project is then detailed individually with field notes summarized in Appendices A and C. Final data sets are presented in Appendices B and D.

Results of the analysis on the Guymon and Dalhart data sets are documented in the accompanying reports by W. Rosenthal who investigates multispectral combinations for crop classification and biomass estimation and by S. Theis who analyzes the same data sets on the basis of soil moisture detection.

## SITE SELECTIONS

The Panhandle area of Oklahoma and Texas was selected for the experiment on the basis of topography, crop variety, uniform surface soil, irrigation practices and field size. In the first study Guymon was also chosen for its coinciding location to an intended crossover of Seasat passes (Blanchard, 1981).

Western Texas and Oklahoma have reasonably uniform soil surfaces and low relief topography. Since radar backscatter is affected by relief changes and to some degree soil types, this region helped to eliminate those variables.

Guymon and Dalhart were chosen primarily for their large fields and irrigation practices. The Panhandle region is blocked into one mile sections with generally one crop type per quarter section. In the experiment a test field was considered one half of a quarter section or 80 acres. This size field offered a sufficiently large area for data collection with the aircraft.

Irrigation practices in the region typically utilized one center pivot sprinkler system per quarter section. This practice was ideal for temporal examination of soil moisture. Although the pumping capacities and application rates of the sprinkler systems varied among the fields, the time required for each rig to circle the quarter section allowed each point in the field to dry down substantially. The ability to examine a point's dry down curve was a crucial element for analyzing a particular sensor's sensitivity to changes in soil moisture and as an indicator of depth penetration in the microwave bands.



The two tests sites offered a variety of crop types along the flight lines. They included fallow wheat fields and pasture, along with milo and alfalfa in Guymon and mature corn in Dalhart. Some milo and alfalfa fields in Dalhart were sampled but only for biomass samples for the vegetation study.

## PROJECT CHANGES

While the Guymon and Dalhart studies were very similar in design, there were several noteworthy modifications made in Dalhart. Some of the changes were dictated by time restrictions or physical differences in the sites. Many of the modifications were important improvements.

In the initial selection of fields in Dalhart, the only irrigated fields selected were those with a center pivot sprinkler system which provided uniform water applications and easy monitoring. Some of the fields in Guymon had flood irrigation rather than center pivot systems. This created problems in analysis because the water application was not uniform across the field. As a result, the ground sampling and area sampled by the line sensors did not always coincide in Guymon.

Most of the changes in the Dalhart experiment involved improvements in the ground data collection. During the analysis of the time series plots from Guymon, an unusual pattern of soil moisture values appeared in one of the fields. There was a consistently large variance in values every other sampling day while no precipitation or irrigation events were reported. Investigation into the problem revealed that the variance directly corresponded to alternating samplers in the field. Therefore, in Dalhart each field was sampled by the same team and each point by the same person throughout the experiment. The consistency in the field values improved as a result.

Ancillary field data were expanded and improved in Dalhart. Crop and moisture conditions at each point, rig positions, and air and soil temperature readings were documented in the field every sampling day. Nine rain gauges were positioned along the flight lines and

monitored daily. In Guymon, there were no rain gauges and several fields had to be deleted from the data set because soil moisture values could not be confidently extrapolated when two rain events with sporadic distribution went through the area between the field sampling schedules. Had a quantitative measure of precipitation been available soil moisture estimates could have been computed.

Additional check systems in the lab procedures in Dalhart were an important improvement. All soil samples were stored after processing and gravimetric soil moisture values were computed daily. Team leaders were responsible for plotting and reporting questionable values in their fields. In this way we were able to recognize and reweigh questionable samples immediately. In Guymon there was no verification of deviate values since comparative graphical analysis was done long after soil samples had been discarded.

Several of the changes in Dalhart were not necessarily improvements but were alterations best adapted to the project. The very uniform soils in Dalhart permitted a substantial scale down of the texture analysis done in Guymon. The number of samples were reduced in Dalhart, too. The 5-9 and 9-15 cm soil samples were combined in Dalhart as one 5-15 cm sample. Deeper depths (15-45 cm) in the unirrigated fields that were difficult to sample were eliminated from the sampling schedule.

Biomass samples were included in the Dalhart program for a vegetation study. This aspect of the study is fully discussed in the final report by Rosenthal.

High altitude flights were added to the Dalhart flight schedule in order to provide smaller scale photography. Prints from this

coverage were used to produce a mosaic of the test site for easy reference and presentation.

The data processed for Guymon and Dalhart in the visible portion of the spectrum came from two different instruments. In Guymon a modular multispectral scanner was utilized. In Dalhart data from a NS001 thematic mapper were processed. Similar channels from each were selected to facilitate comparison.

Due to mechanical problems with the aircraft the Dalhart project was reduced to three flight days with an extra data set collected on August 16.

Significant differences between the projects discussed here are also noted within the relevant sections.

## **GUYMON PROJECT**

### **Introduction**

The first project of the experimental program was conducted from August 1 through August 18, 1978 approximately 20 kilometers southwest of Guymon, Oklahoma. Figure 1 illustrates the general area where the project was conducted. Field work was organized in conjunction with flights made every three days by NASA C-130 aircraft equipped with aerial cameras, scanners, radiometers and scatterometers. Ground work was scheduled so that every field was sampled within 24 hours of an aircraft overpass.

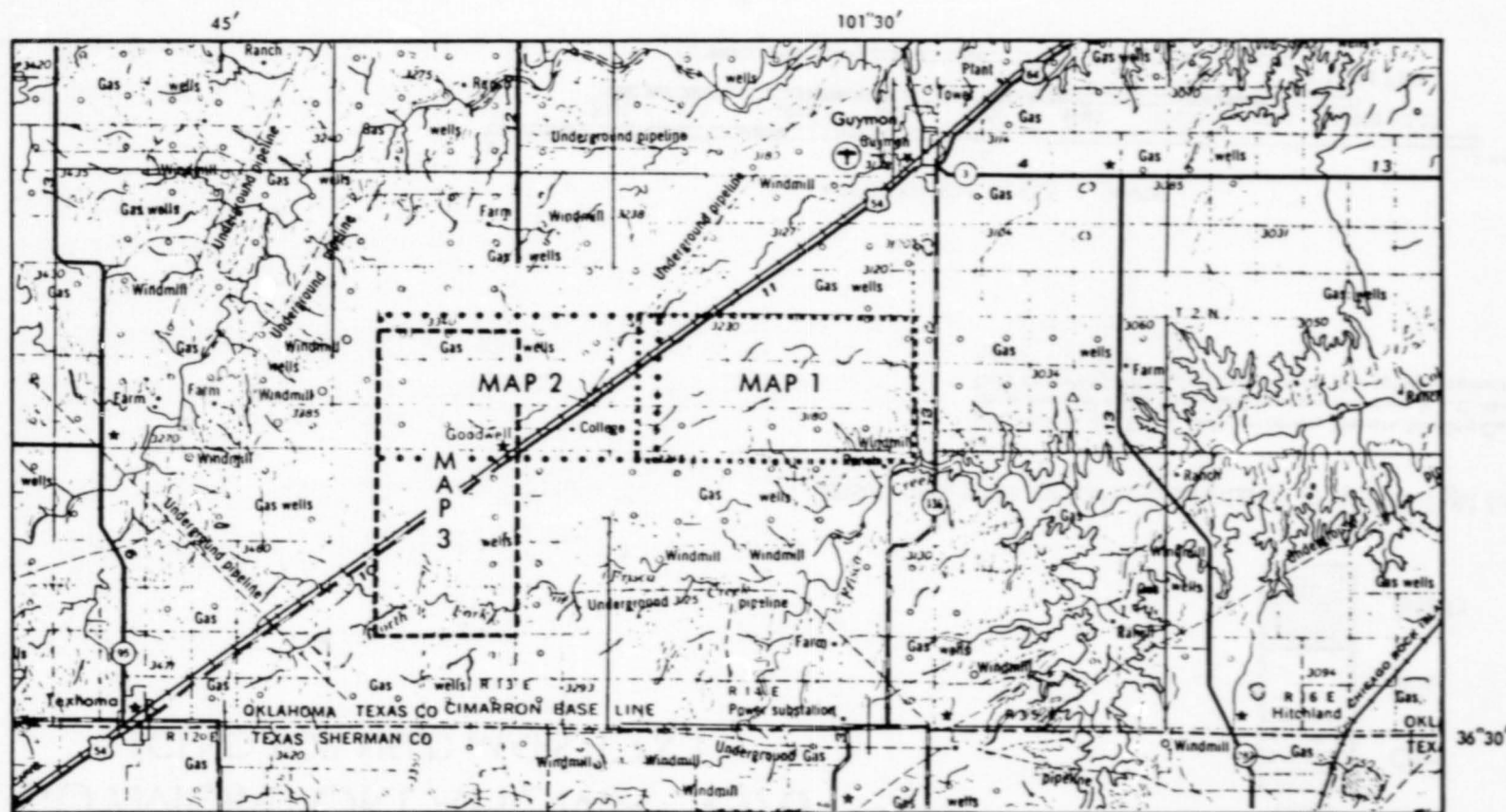
Ground data from 22 fields were processed daily in a lab set up at Panhandle State University in Goodwell, Oklahoma. The lab processed over 9,000 soil samples during the experiment plus ancillary samples for bulk density and texture analysis.

Following the data collection in Guymon the bulk of the data were processed and analyzed at the Remote Sensing Center at Texas A&M University.

### **Field Selections**

Each of the 22 fields in the Guymon study was one half of a quarter section with the long axis of the field parallel to the flight lines as illustrated in Figures 2a through 2d.

Two control sites were set up in summer fallow wheat fields subdivided as 6, 14, 21, and 26. The surfaces of the fields were uniformly disked and both sites had center pivot irrigation systems.



GUYMON AREA MAP  
INDEX TO FIELD MAPS  
Approximate scale 1:250,000



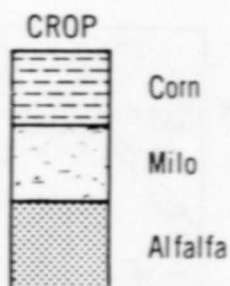
FIGURE 1. General experiment area and field map index for Guymon study.

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## GUYMON, OKLAHOMA 1978

LEGEND FOR FIELD MAPS 1,2 & 3



Consult field notes for row crop orientation to aircraft flight lines.

Prepared by the Texas A&M University Remote Sensing Center.  
Base data compiled from USGS topographic maps, R.S.C. team  
field notes and NASA contracted aerial photography collected  
August 2-17, 1978.

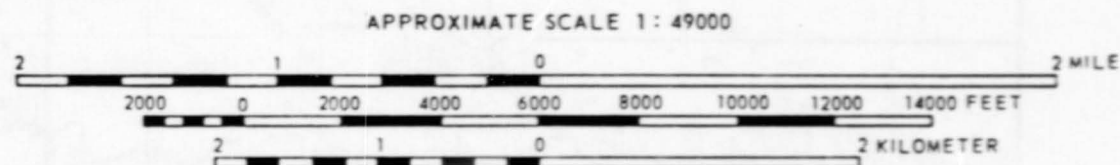
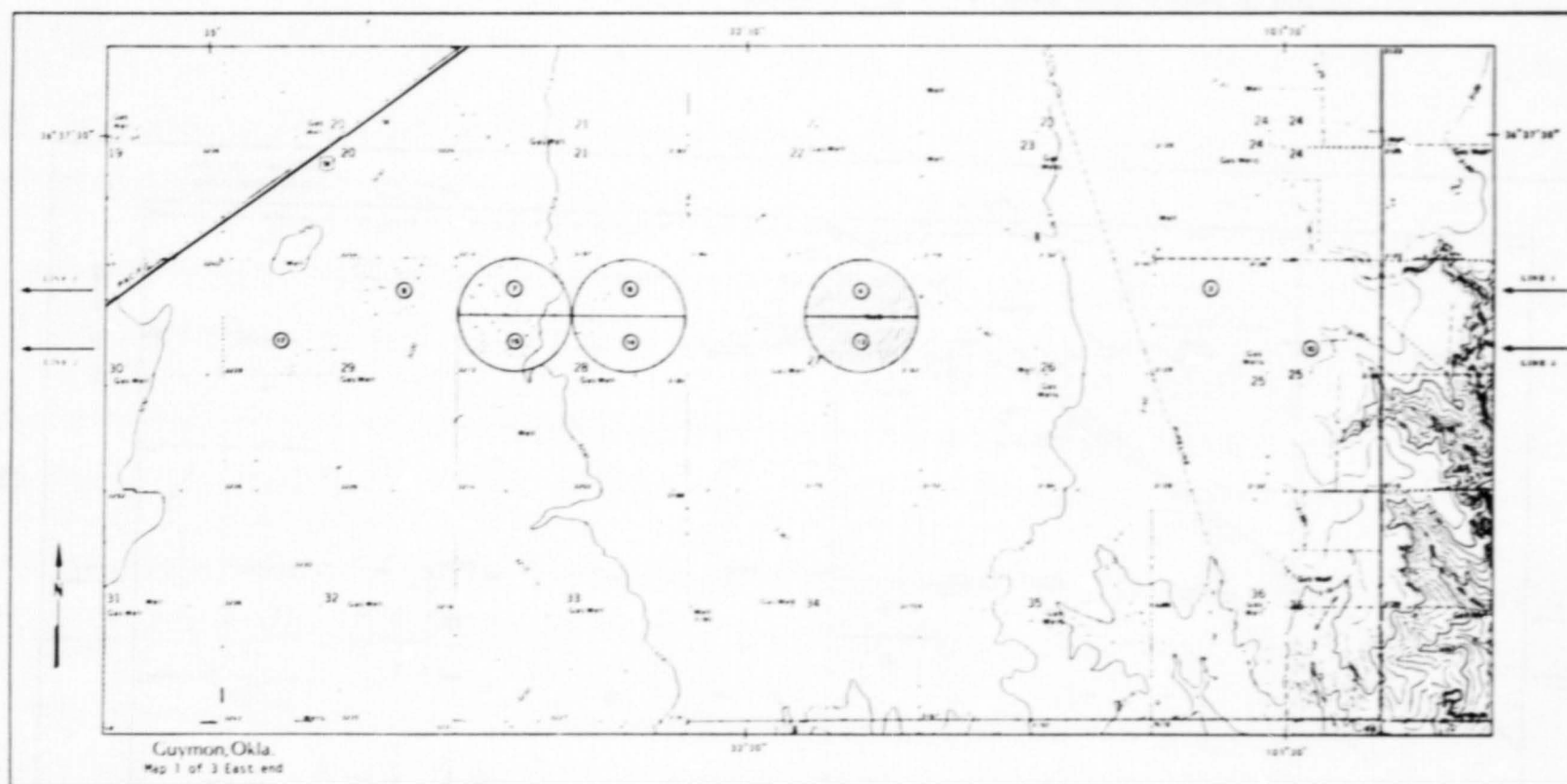


FIGURE 2a. Legend for Guymon field maps.

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FIGURE 2b. Location of sample fields in Guymon, East end, Lines 1 and 2.



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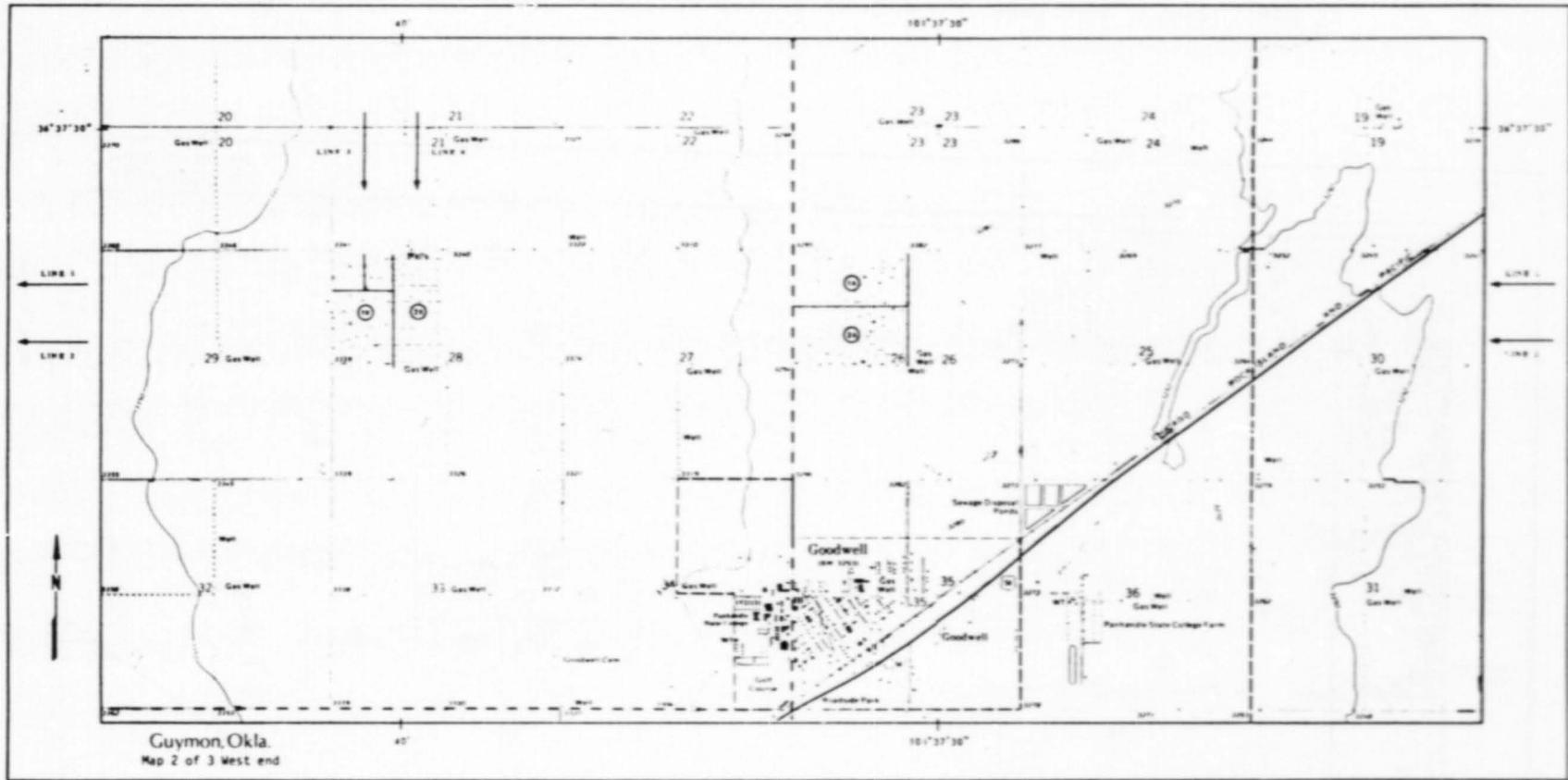


FIGURE 2c. Location of sample fields in Guymon, West end, Lines 1 and 2.

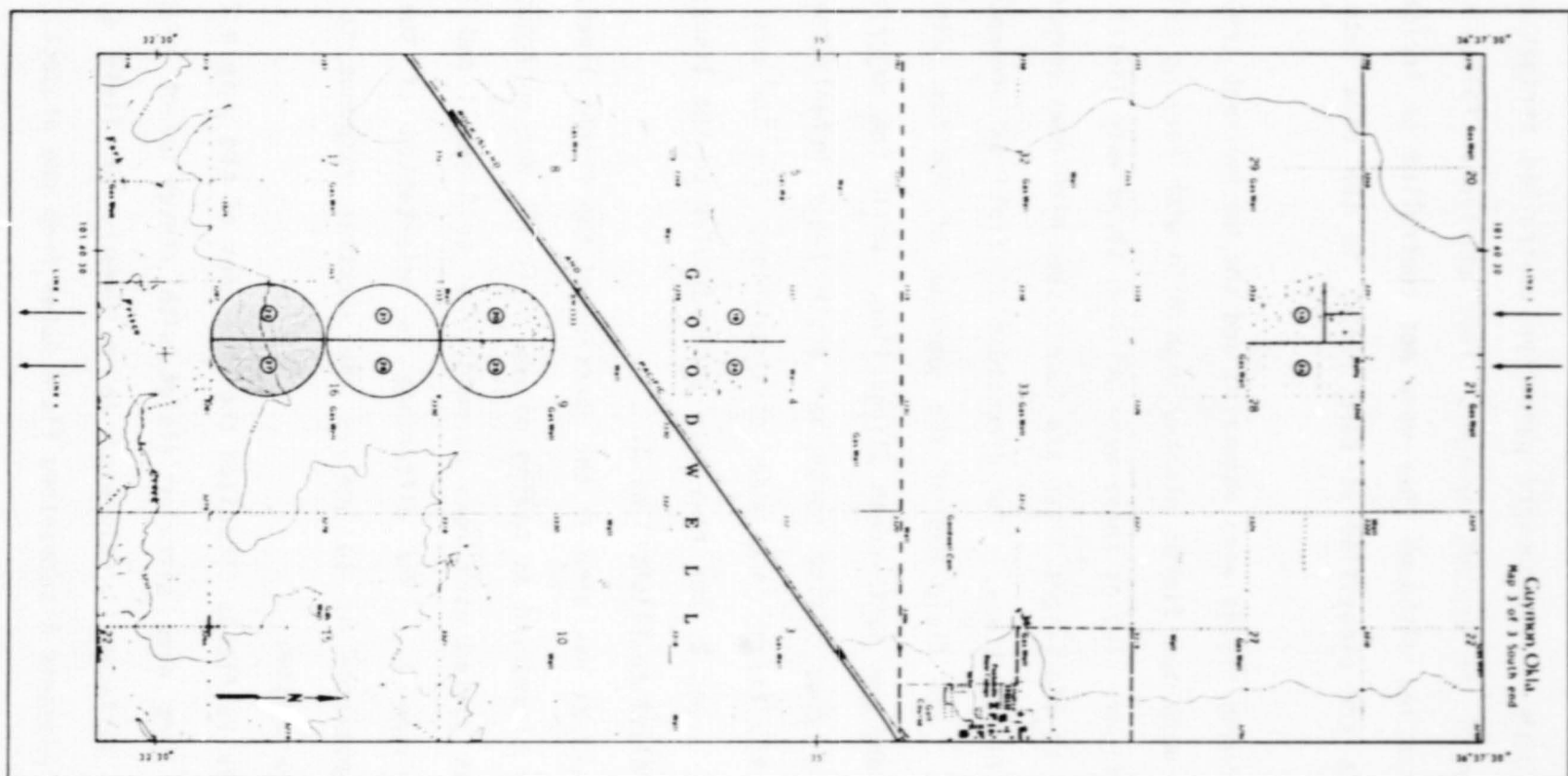


FIGURE 2d. Location of samples fields in Guymon, South end, Lines 3 and 4.

Arrangements with the landowners permitted controlled irrigation at the discretion of the project manager. Four additional fallow wheat fields were sampled although they were not controlled or irrigated. (Fallow fields are classified as bare fields in the data sets and analysis).

The remaining fields were vegetated and the predominant crop was milo. There were ten fields planted with milo with varying tillage and row directions. Two of those were drilled, three were listed with rows parallel to the flight lines and four listed with rows perpendicular to the flight lines. Row directions in field 1X presented a special case. The field was at the junction of the two east-west flight lines and one north-south flight line. While the majority of the field had rows listed north and south their orientation was dependent on the flight line under consideration. For the east-west flight lines, 1 and 2, the rows were perpendicular to the lines; the rows were parallel to flight line 3.

Bare field 2X was also at the junction of the flight lines. It was initially classified as having no row direction but on August 17 the field was listed with rows perpendicular to lines 1 and 2 and parallel to line 4. The difference in orientation of the row directions permitted us to analyze the spectral response to this "roughness" parameter.

Four alfalfa fields comprised the remainder of the sample fields in Guymon. They were circular fields with center pivot rigs and smooth soil surfaces. Following is a summary of field surface conditions. Appendix A summarizes field notes from the project.

<u>Surface Condition</u>	<u>Fields</u>
Summer fallow	2,10,17,21,26
Irrigated August 1	14
Irrigated August 14	6
Listed parallel August 17	2x
Circular Irrigated Alfalfa	4,13,22,27
Milo	
6" high, drilled	7,15
3' high, parallel rows	8,1x,1a,2a
3' high, perpendicular rows	19, 24, 20, 25

### Sampling Schedules

The primary objective of the field work was to collect soil moisture samples for correlation with aircraft data. More than 9,000 soil samples excluding bulk density and deep core samples were collected over a two and a half weeks period.

The sampling schedule in Guymon was organized so that every field was sampled within 24 hours of the flight time. Each field was also sampled at a regular time frame scheduled around the normal hours of flight overpasses (generally 8-11 a.m.). Nine fields were sampled on the day before a flight day, five fields on a flight day and eight fields the day after a flight day. Thus each field was sampled every 3 days. The sampling schedule is summarized in Table 1.

Normally eight points per field were sampled but in three of the control fields a more intensive sampling network was designed. Fields 6, 14 and 21 were sampled at 37 points as illustrated in Figure 3. Field 21 was sampled this intensively only on the first flight date. Subsequently the sampling pattern was decreased to eight points because it was not irrigated during the experiment. Fields 6 and 14 were intensively sampled throughout the experiment.

TABLE 1. Guymon ground sampling schedule.

	SAMPLE FIELD NUMBER															
	2	10	4/13	6/14	7/15	8	17	1a	2a	2X	1X	19/24	20/25	21	26	22/27
1	X	X				X	X		X	X	X	X				
2*				X									X	X		
3			X		X			X							X	X
4	X	X				X	X		X	X	X	X				
5*				X									X	X		
6			X		X			X							X	X
7	X	X				X	X		X	X	X	X				
8*				X									X	X		
9			X		X			X							X	X
10	X	X				X	X		X	X	X	X				
11*				X									X	X		
12			X		X			X							X	X
12	X	X				X	X		X	X	X	X				
14*				X									X	X		
15			X		X			X							X	X
16	X	X				X	X		X	X	X	X				
17*				X									X	X		
18			X		X			X							X	X

\*denotes flight days

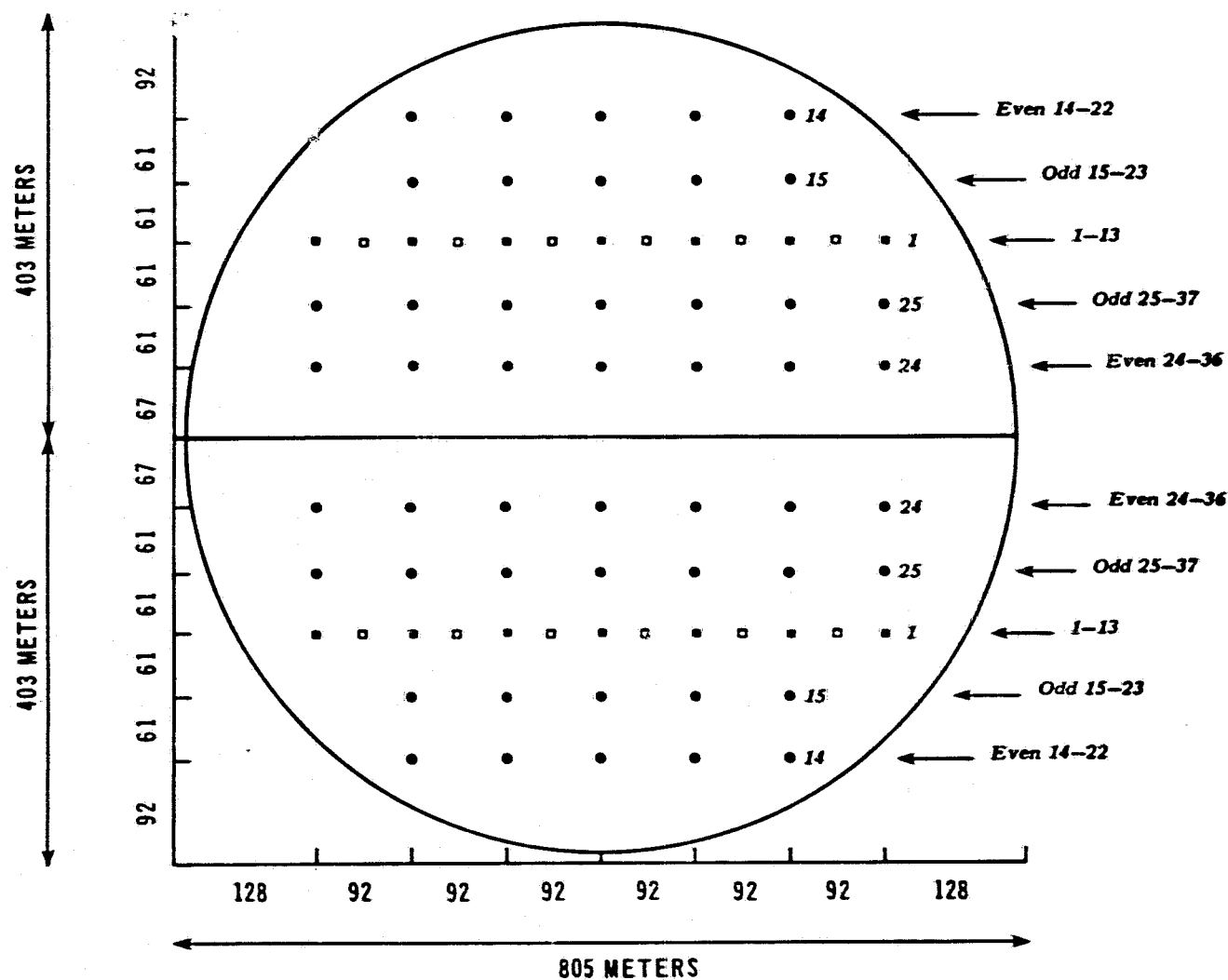


FIGURE 3. Sampling pattern for intensively sampled fields in Guymon.

Figure 4 illustrates the typical sampling pattern in the fields. Note that in the circular fields with pivot rigs, points 1 and 7 or 2 and 8 were moved inside the circular boundary.

At each of the eight points seven depth increments (0-2, 2-5, 5-9, 9-15, 0-15, 15-30, 30-45 cm) were sampled as shown in Figure 5. The center line points in the intensive sample fields were only sampled to a depth of 15 cm (0-2, 2-5, 5-9, 9-15 cm). The concentration of points 1 through 13 down the center of these fields was designed to insure that a sufficient number of samples were available for the shorter wavelength scatterometers with their narrow ground coverage.

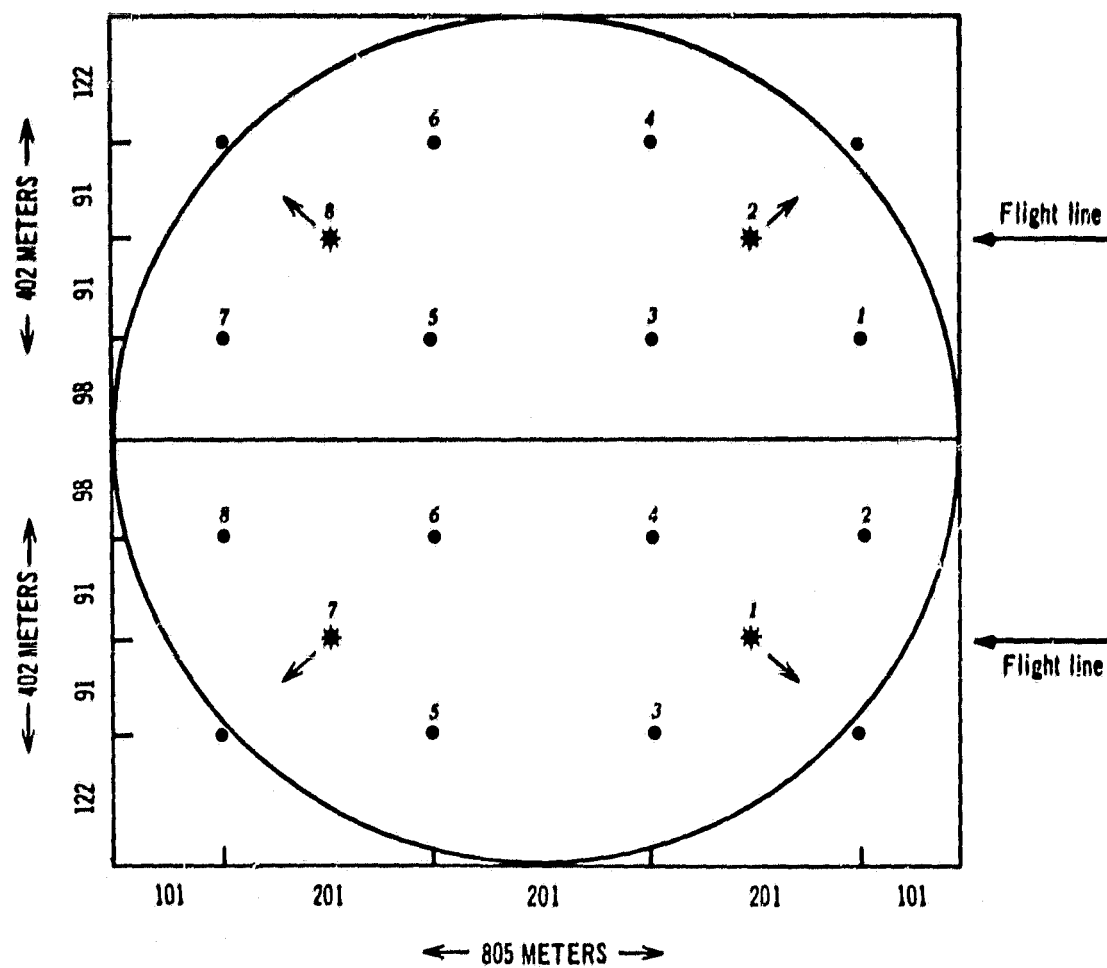
In addition to the gravimetric soil samples, bulk density samples were collected in every field for computation of volumetric values. Additional density sampling in a field was only repeated when warranted by a change in field conditions such as plowing.

While samples were collected for soil moisture data it was also important to identify the soil texture in each field. Samples processed for soil moisture were used in the texture analysis. A complete soils lab was available at Panhandle State University in Goodwell, Oklahoma. Every depth in each field was analyzed and although there were some small areas of caliche, the soil composition in the fields varied only slightly. A general description of the soils in the test fields was a silty clay averaging 35% clay, 35% silt, and 30% sand.

### **Sampling Techniques**

The seven depths sampled at each point in the field were extracted with two types of tools. Specially designed trowels shown

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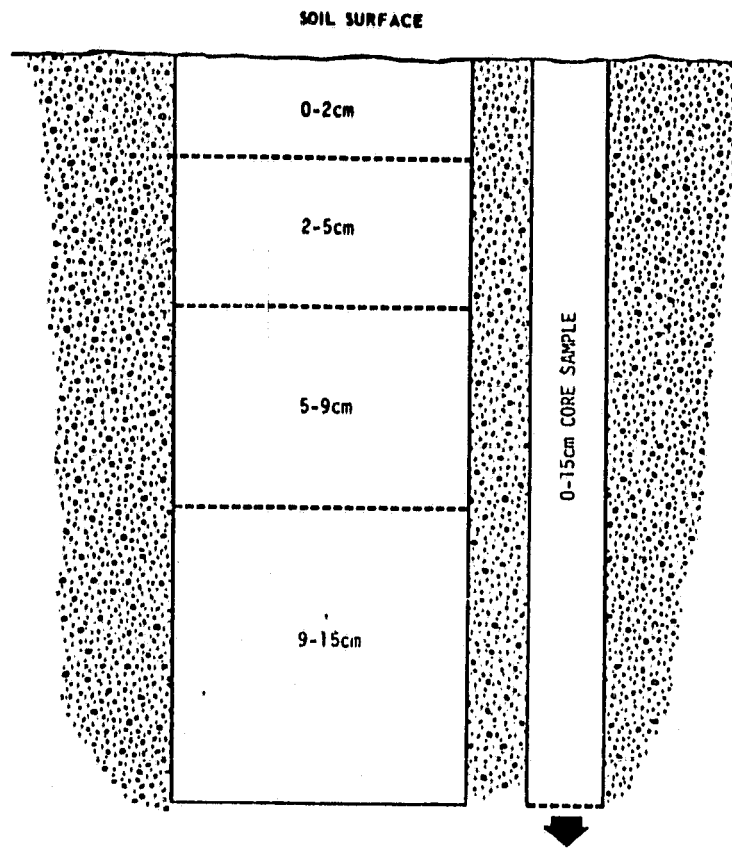


\* These points were moved outside the pivot boundary for non-circular fields.

FIGURE 4. Sampling pattern in Guymon and Dalhart.



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Core sampling also included 15-30 and 30-45 cm samples.

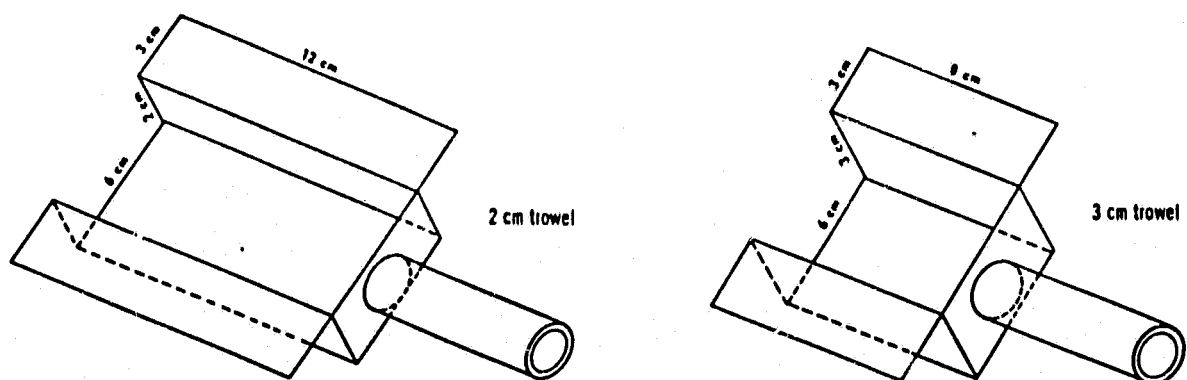


FIGURE 5. Soil sampling depths in Guymon. In Dalhart the 5-9 and 9-15 cm were combined. The sampling trowels illustrated were used for sampling the top 15 cm in Dalhart and Guymon.

in Figure 5 were developed to simplify and standardize soil sampling in the top 15 cm, in intervals of 0-2, 2-5, 5-9, and 9-15 cm. A standard 1 inch soil test core tube was utilized for the deeper samples of 15-30 and 30-45 cm and a composite sample of 0-15 cm. Sampling the 0-15 cm depths with a trowel proved more reliable than with a core tube where compaction of soil and loss of dry surface portions in transferring the sample to the cup were a problem.

Sampling with a trowel was accomplished by digging a hole with one vertical side and with sufficient room to push the tools into that side at a perpendicular angle. Each tool was used alternately to shave the top 2 sample layers of soil (0-2, 2-5 cm). For each of the next two layers, the trowels were filled twice to an etched line to fill the sample cups. Standard 8 oz paper cups were used for both the trowel and core samples, with the date, field point number, depth increment and sampler's initials designated on the outside of the cup. As each cup was filled it was covered immediately with plastic wrap and a conventional plastic lid to prevent moisture loss. When each team had finished sampling their assigned fields the samples were transported to the lab for processing.

### **Sample Processing**

Sample processing was handled in a lab set up at Panhandle State University in Goodwell, Oklahoma. The lab enabled us to dry the samples immediately thus preventing soil moisture loss from the cups. By operating the lab 24 hours a day we were able to process the large number of samples collected each day.

As samples came in from the field they were weighed to 1/10th of a gram. This value was recorded as the sample's "wet" weight. Lids and plastic wrap were then discarded and the samples were dried in a conventional microwave oven. When a periodical weighing of two samples in each oven showed no more than 1/100 of a gram loss in weight the samples were considered dry. All samples in that oven were removed, weighed and their "dry" weights recorded. The tabulation of gross, wet and dry weights was used to calculate soil moisture values. Processing beyond this point was continued at the Remote Sensing Center at Texas A&M University.

### **Data Processing**

Weights recorded by the lab were entered into a programmable calculator. An average weight for cup, lid and seal was subtracted from the weights and a gravimetric soil moisture computed. These values were converted to the volumetric values with computation of the bulk density in each field.

Time series plots were generated to graphically examine the soil moisture values. Volumetric values for each field, point and depth were plotted against time to illustrate each point's response to moisture during the experiment. By incorporating precipitation events and irrigation schedules, it was possible to produce dry down curves for each depth at each point.

This time series plot was utilized for two reasons. One, it accentuated deviate values and two, it provided a means of extrapolating soil moisture values for those fields not sampled on a flight day (in order to correlate ground and aircraft data). Where the decay

curve for each field intersected the time of an aircraft pass on the graph, the corresponding value was recorded as the new or normalized soil moisture value.

A case in point can be illustrated by one of the dry unirrigated fields. The time series plot indicated an alternating high and low set of values for each depth even though there had been no precipitation events. Backtracking to the original lab sheets it was discovered that the unwarranted value changes coincided with personnel who switched off sampling every other day. Even though both persons were experienced in soil sampling it was evident that maintaining the same samplers in each field was necessary. In fact, this was mandatory in the field work in Dalhart.

Once all the soil moisture values were verified and normalized to flight days, the values had to be segregated for the different aircraft sensors.

### Averages for Line Sensors

Averaging all sample points in the field was an adequate estimate of soil moisture for the scanners, but it was not necessarily the best estimate of soil moisture under the narrower beamwidth line sensors. To generate a list of sample points within the field of view of the scatterometers and radiometers, it was necessary to plot the exact path of each aircraft pass. The principal points were delineated on each frame of photography that covered the fields and transferred to fields maps with a zoom transfer machine. The precise flight paths took form when the principal points were connected. To discriminate which sample's points fell within the beamwidth of the line sensors,

overlays of the field point locations and scaled sensor swaths were placed over each field. Since a minimum of four sample points per field were required for the average, points that fell within the largest beamwidth of the line sensors were the same for those of the narrowest beamwidth. In the case where a flight line ran exactly midfield (crossing only two sample points) all eight sample points in that field were averaged. The final data set lists first the eight point average of every field and then the soil moisture averages under the line sensors (see Header Information in Appendix B).

### **Aircraft Schedule**

The Guymon aircraft flight schedule followed a three day cycle with coverage along four flight lines. Lines 1 and 2 extended along an east-west track for 16 kilometers and Lines 3 and 4 over a north-south track of 8 kilometers.

There were a total of 6 flight days in Guymon--August 2, 5, 8, 11, 14 and 17. The aircraft employed was a NASA C-130. Each flight over the test site was made at an altitude of approximately 500 meters between 8:30-10:30 a.m. In addition to the project site the aircraft flew over Lake Meredith, north of Amarillo, Texas at the beginning and end of the flight day. Data collected over the lake were intended for calibration purposes and are referenced in the flight logs as lines 6 and 7. The aircraft schedule is summarized in Table 2.

Turbulence problems on August 14 required run 1 to be re flown as run 3. All data from run 1 were eliminated. There was also an extra set of runs flown on August 8. They are referenced as lines 5 and 8 in the flight logs. These flights were made diagonally across the

TABLE 2. Summary of the aircraft schedule in Guymon.

DATE 1978	PHOTO FILM ROLL #	DATA SET	APPROX TIME	RUN #	LINE #	RADIOMETER OPERATING		SCATTEROMETER OPERATING				NOTES
						L	C	13.3	4.75	1.6	.4	
8/2	86-CIR	1	8:45 AM	1	6	X		X	X		X	H <sub>2</sub> O calibrations
				2	6		X			X		H <sub>2</sub> O calibrations
				1	1							
				1	3							
				1	2							
				1	4		X			X		
				2	1							
				2	3	X						
				2	2							
				2	4							
8/5	89-B&W	2	10:45 AM 8:45 AM	1	7	X						H <sub>2</sub> O calibrations
				2	7		X			X		H <sub>2</sub> O calibrations
				1	6	X						H <sub>2</sub> O calibrations
				2	6		X			X		H <sub>2</sub> O calibrations
				1	1							
				1	3							
				1	2							
				1	4		X			X		
				2	1	X						
				2	3							
8/8	90-B&W	3	11:30 AM 8:30 AM	2	2							
				1	4	X						
				2	4							
				1	10		X			X		flights over
				1	9		X			X		Clayton, New Mexico
				1	7	X						H <sub>2</sub> O calibrations
				2	7		X			X		H <sub>2</sub> O calibrations
				1	6	X						H <sub>2</sub> O calibrations
				2	6		X			X		H <sub>2</sub> O calibrations
				1	1							
				1	3							
				1	2							
				1	4		X			X		
				1	1							
				2	1	X						
				2	3							
				2	2							
				2	2							
				2	4	X						
				1	8		X			X		diagonal flights across
				1	5		X			X		Guymon site
				1	7	X						H <sub>2</sub> O calibrations
				2	7		X			X		H <sub>2</sub> O calibrations

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TABLE 2. Continued.

DATE 1978	PHOTO FILM ROLL #	DATA SET	APPROX TIME	RUN #	LINE #	RADIOMETER OPERATING		SCATTEROMETER OPERATING				NOTES
						L	C	13.3	4.75	1.6	.4	
8/11	107-B&W	4	10:45 AM	1	6	X		X	X		X	H <sub>2</sub> O calibrations
				2	6		X			X		H <sub>2</sub> O calibrations
				1	1							
				1	3							
				1	2							
				1	4		X			X		
				2	1	X						
				2	3							
				2	2							
				2	4							
8/14	108-B&W	5	12:30 PM 8:45 AM	1	7	X						H <sub>2</sub> O calibrations
				2	7		X			X		H <sub>2</sub> O calibrations
				1	6	X						H <sub>2</sub> O calibrations
				2	6		X			X		H <sub>2</sub> O calibrations
				1	1							
				1	3							
				1	2							
				1	4		X			X		
				2	1	X						
				2	3							
8/17	117-B&W	6	8:45 AM	2	2							
				2	4	X						
				3	1		X			X		Run 3 flown due to turbulence problems on Run 1
				3	3							
				3	2							
				3	4		X			X		
				1	7	X						H <sub>2</sub> O calibrations
				2	7		X			X		H <sub>2</sub> O calibrations
				1	6	X						H <sub>2</sub> O calibrations
				2	6		X			X		H <sub>2</sub> O calibrations
8/17	117-B&W	6	8:45 AM	3	6	X						H <sub>2</sub> O calibrations
				1	1		X			X		
				1	3							
				1	2							
				1	4		X			X		
				2	1	X						
				2	3							
				2	2							
				2	4							
				1	7	X						H <sub>2</sub> O calibrations
8/17	117-B&W	6	11:00 AM	2	7		X			X		H <sub>2</sub> O calibrations
												H <sub>2</sub> O calibrations

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test site to correspond with intended Seasat passes. Also flown for the Seasat project was a set of flights over Clayton, New Mexico. The flights are listed as lines 9 and 10 in the flight logs on August 5.

The array of sensors flown in the project included a multifrequency scanner, 2 microwave radiometers, 4 scatterometers, a Barnes PRT-5 thermal radiometer, and an aerial camera.

### **Aerial Photography**

The photographic coverage over Guymon with a 9" Zeiss camera provided a visible record of changes in the sample fields and facilitated a means of tracking the exact path of the aircraft along the flight lines. Nine rolls of film in black and white and color infrared over Guymon exist, labeled as mission #383 (rolls 86, 87, 89, 90, 107, 108, 109, 117, and 408). Kodak 2443 color infrared film was shot only on the first flight day, August 2, with subsequent flights using black and white #2402 film. The film rolls include all runs flown on each flight day plus additional photography flown diagonally across the site for correlation with Seasat data. Film rolls #89 and 90 (August 5 and 8, respectively) contain the diagonal flights. Roll #408 (August 17) is a higher altitude, privately contracted flight over Guymon and over Clayton, New Mexico which was the location site for a Seasat pass. The color infrared film used on this flight was poorly processed and exhibits substandard color rendition.

### **Modular Multifrequency Scanner - MMS**

The visible and infrared bands processed from the multispectral scanner were as follows:



Channel 4: 548 - 583 nm

Channel 7: 662 - 701 nm

Channel 8: 703 - 747 nm

Channel 9: 770 - 863 nm

Channel 11 (thermal): 8,000 - 12,080 nm

The scanner resolution was 8 meters.

Channel 11 was calibrated by PRT-5 temperatures. Greymaps were produced from the channel in order to obtain field averages for the MMS data and time boundaries for the microwave data. Along one side of the greymaps, the line numbers off the tape were printed. These reference points were used in conjunction with a grafpen interfaced with the computer to generate field averages for all the MMS channels. Times were printed on the other side of the greymap for designating stop and start times in each field for the microwave data.

#### **Multifrequency Microwave Radiometer - MFMR**

The frequencies of passive microwave data in Guymon were 4.75 GHz (C-band) with horizontal polarization and 1.6 GHz (L-band) with horizontal and vertical polarizations. The juxtaposition of the radiometers on board the aircraft required their operation on separate runs to avoid cross talk. C-band was utilized on run 1 and L-band on run 2.

MFMR data were processed at NASA/Goddard Space Flight Center and forwarded to the Texas A&M University, Remote Sensing Center in tape and microfiche formats. Therefore the raw data were not available at the Remote Sensing Center. Problems in analyzing these data revealed

that the original calibration was incorrect. Calibration was recalculated (O'Neill, NASA/Goddard), time boundaries for each field verified with visiquader data and corrected values appended to the data files (See Header Information in Appendix B). Both MFMR data sets are followed by the number of field points used in their averages.

As with the scatterometer data there were some fields deleted from the data base because drift and roll exceeded acceptable levels. Omissions are listed in Table 3. The MFMR deletions do not correspond one to one with those of the scatterometers however. In cases where field values were taken out at large incident angles in the scatterometer data, they were not deleted in the MFMR data set since the radiometers had near nadir incident angles. Nearly one entire line of MFMR data (run 2, line 2 on August 11, L-band) was eliminated due to apparent internal system problems. The raw data were not available to verify that the problem originated in the radiometer. The signal was very erratic on this line. Only fields 1 and 2 had reasonable responses and were included in the final data set.

### Scatterometers

Most of the data processing effort was concentrated on the large volume of the aircraft scatterometer data. There were 4 scatterometer bands. Three bands had dual polarization for a total of 7 scatterometer data sets collected each flight day. Following are the frequencies, polarizations and operating runs for each scatterometer:

13.3 GHz (X-band) HH	Run 1 & 2
4.75 GHz (C-band) HH, HV	Run 1 & 2
1.6 GHz (L-band) HH, HV	Run 1
.4 GHz (P-band) HH, HV	Run 1 & 2

TABLE 3. Questionable MFMR data in Guymon due to excessive roll and drift.

Date	Field #	% Roll
8/8/78	L2 R1 1X	5.3
8/11/78	L3 R1 1X	4.9
	L1 R2 6	-5.1
	L4 R2 24	4.9
8/14/78	L2 R1 10, 17, 2a	5.4, -8, -5.6 respectively
	L4 R1 27	4.9
	L3 R3 1X	-4.8
8/17/78	L3 R2 22	5.0

\*Drift was not a factor.

The cell size for the scatterometer ranged from 25 meters in the X-band to 75 meters for the P-band. The incident angles processed for each channel were 5, 10, 15, 20, 25, 35, 40 and 45 degrees.

Following the data collection in Guymon, analog tapes from the Johnson Space Center were forwarded to the Remote Sensing Center. The tapes were digitized in-house on 9-track magnetic tapes. Scatterometer coefficients for each angle were calculated with a software package described by Claassen et al. (1979) and Clark and Newton (1979). Time frames on the greymaps which were previously produced from the scanner data were used to identify the stop and start times for each field along the line plot. Adjustments in the time boundaries were made according to cell size of the sensors and variances in the flight paths.

As is mentioned in the "Aircraft Schedule" turbulence was such a deterrent on August 14, one run had to be reflown. Wind conditions aggravated roll and drift to some degree on the other flight days also. When a combination of roll and drift exceeded 3-1/2 degrees, field values at that angle were considered questionable and deleted from the scatterometer data set. Deleted fields are listed in the Table 4.

TABLE 4. Questionable scatterometer data in Guymon due to excessive roll and drift.

Date	Field #	Questionable Analysis
8/2/78	L1 R1 2,4,6,7,8,2x,1x	40°,45° (-8° drift, 2° roll)
	L2 R1 10,13,14,15,2a,2x,1x	45° (-9° drift)
	L1 R2 2,4,6,7,1a,2x,1x	45° (-9° drift)
	L2 R2 15,17,2a	45° (-8° drift)
8 3/78	L2 R1 17, 1x	all angles
	L2 R2 2A	all angles
	L4 R1 26	all angles
	L1 R2 2,6,7	all angles
8/11/78	L1 R1 6,8,2x	all angles
	L3 R1 19,22,1x	all angles
	L2 R1 2x,	all angles
	L4 R1 24,25,27	all angles
	L1 R2 4,6,7,1A	all angles
	L3 R2 22	all angles
	L2 R2 10,17	45° (-4° drift, 4° roll)
	2A, 2X	all angles
	L4 R2 24,26,27	all angles
8/14/78	L1 R2 4	all angles
	L3 R2 19	40°,45° (-8° drift, 3° roll)
	L2 R2 13	45° (9° drift)
	10	40°,45° (9° drift, 3° roll)
	L1 R3 all fields	40°,45° (11° drift)
	L3 R3 1x	all angles
	L2 R3 13,14	all angles
	15	45° (9° drift)
8/17/78	L3 R1 21,22	35°,40°,45° (-12° drift)
	L4 R1 2x,24,25,26,27	35°,40°,45° (-12° drift)
	L3 R2 21,22	all angles
	1x,19,20	40°,45° (-10° drift)
	L4 R2 24,25,2x	45° (-9° drift)
8/5/78	L1 R1 2	40°,45°
	L4 R1 2x	40°,45°
	L2 R2 2x	40°,45°
	L4 R2 2x	40°,45°

## **DALHART PROJECT**

### **Introduction**

The second experimental site was sampled in August of 1980 approximately 20 kilometers northwest of Dalhart, Texas. Figure 6 represents a general area of the test site and indexes the field maps 1, 2 and 3. Twenty-two fields were sampled on a two-day rotation from August 13 through 19. Millet, corn, pasture and fallow wheat fields comprised the sampling sites along an 18 kilometer tract as illustrated in Figures 7a through 7d. Two east-west lines along the track were flown with a NASA C-130 aircraft equipped with a similar set of sensors as was operating in Guymon, Oklahoma. In Dalhart, flights were made every other day (August 14, 16, and 18) to coincide with the ground sampling. Mechanical delays with the aircraft made it necessary to compress two flight sequences into one day (August 16) in order to collect a total of four data sets within the project period.

Field data were collected by personnel from Texas A&M University and the University of California at Santa Barbara. Ground samples were processed in Dalhart. The raw data from the airborne sensors were processed at the Johnson Space Center and NASA/Goddard. Further processing and analyses were completed at the Remote Sensing Center at Texas A&M University.

### **Selection of Sample Fields**

The sample fields in Dalhart fall into two general categories, 22 fields along two flight lines where soil moisture sampling was conducted and 11 additional fields where only biomass samples were taken.



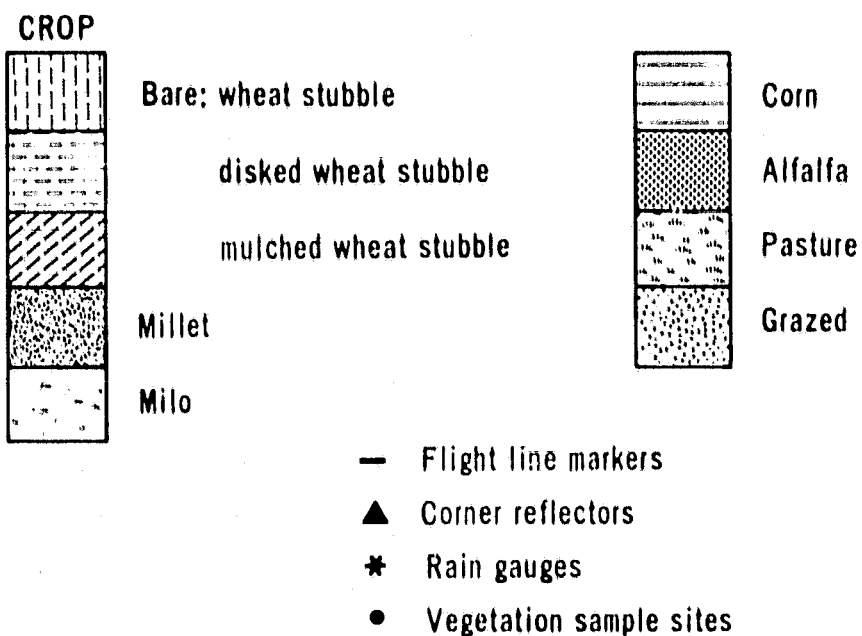
FIGURE 6. General experiment area and field map index for Dalhart study.

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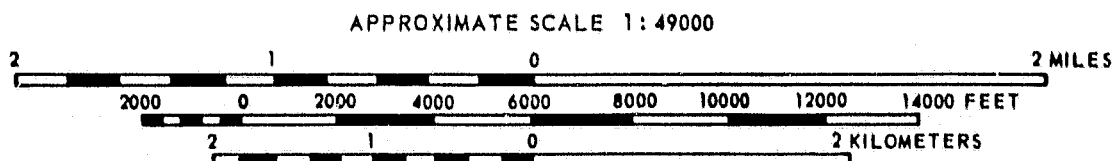


## DALHART, TEXAS 1980

### LEGEND FOR FIELD MAPS 1,2 & 3



Row direction was east-west for all sample fields with row crops.



Prepared by the Texas A&M University Remote Sensing Center. Base data compiled from USGS topographic maps, R.S.C. team field notes and NASA contracted aerial photography collected August 14-18, 1980.

FIGURE 7a. Legend for Dalhart field maps.



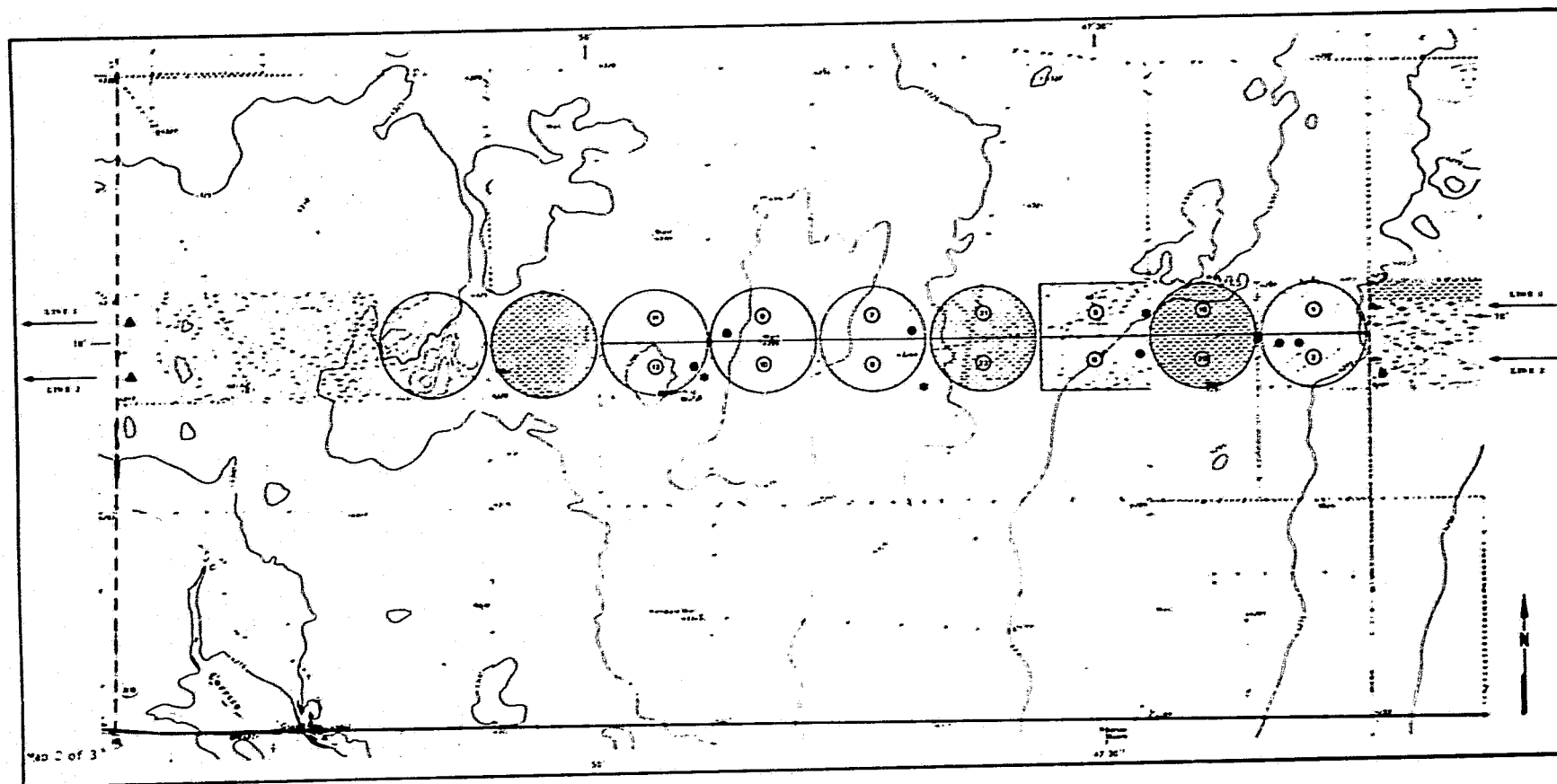


FIGURE 7b. Location of sample fields in Dalhart, East end, Lines 1 and 2.

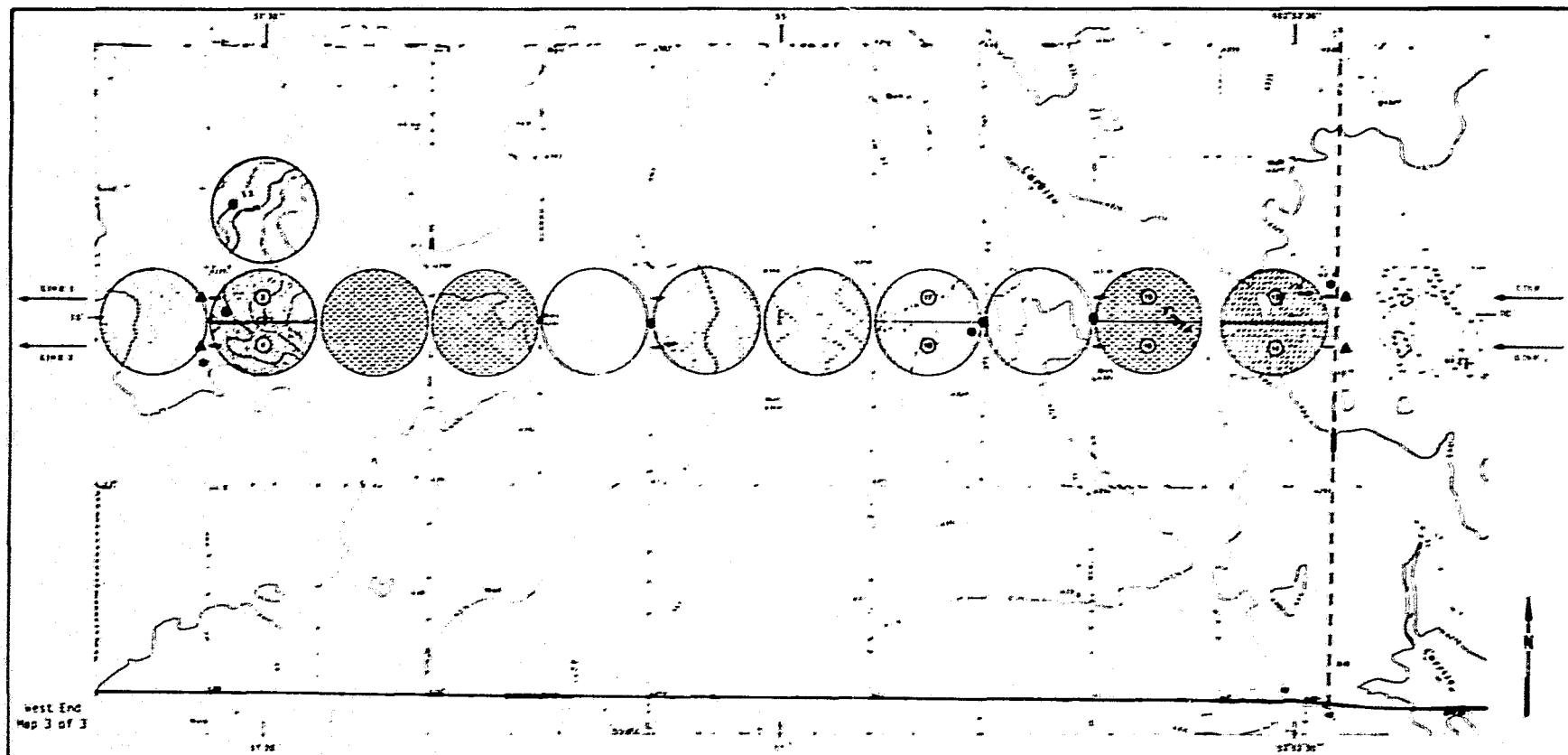


FIGURE 7c. Location of sample fields in Dalhart, West end, Lines 1 and 2.

This report treats only those fields in the soil moisture project. Discussion of the fields included in the biomass study can be found in the accompanying report by Rosenthal.

The sample fields selected for soil moisture sampling in Dalhart were chosen on the basis of crop variety, irrigation practices, smooth soil surfaces, sandy uniform soils and size. As in Guymon each sample field was defined as one half a quarter section (80 acres) with a long axis parallel to the flight lines. The quarter section provided an area large enough for sufficient coverage with the aircraft line sensors, yet small enough for an adequate ground sampling network.

The sampling network in Dalhart was held to eight points per field. There was no intensive sampling as in Guymon, because the soils were very uniform throughout the fields. The uniform soils also permitted a less rigorous texture analysis than Guymon's. The surface soils (top 30 cm) in Dalhart were classified as sandy loam (75% sandy, 10% clay, 15% silt).

The 22 fields sampled were almost equally divided into irrigated fields and non-irrigated fields. Although all fields except the pasture (fields 5 and 6) had pivot irrigation rigs, only those with crop cover had the rigs operating. Those fields included mature corn and millet. Pasture, stubble, disked stubble and mulched stubble comprised the non-irrigated fields.

The combination of bare, non-irrigated land and vegetated, irrigated fields furnished a wide range of soil moisture conditions. In Dalhart there were no control sites. Those fields with pivot rigs operating normally had a pumping schedule that permitted a 6 to 12 day dry down in the field. In addition, a one inch rain the first flight

day with no further precipitation during the project supplied an excellent opportunity to study the decay curves in the bare non-irrigated fields.

In order to analyze the microwave sensitivity to soil moisture, surface roughness was held to a minimum. Fields had a smooth disked or mulched surface or rows parallel to the flight line in the case of listed corn fields.

The canopy within the vegetated fields was reasonably uniform in density and height. There were, however, two areas where the corn was stressed or lacking altogether. Fields 1 and 2 had a stressed circular pattern where the sprinklers were not operating properly in one section of the rig. An illustration of this and the effect it had on sensor responses and biomass are presented in the Rosenthal report. In field 10 there was a swath approximately 6 meters wide running east-west in the southern part of the field that was void of corn. The area was covered by dense tall grass with volunteer weeds. This section was not significant enough in size, location or soil moisture variation to influence analysis results.

Following is a summary of the crop type in the sample fields. For a more detailed description of the individual fields and daily field notes see Appendix C.

<u>Surface Condition</u>	<u>Fields</u>
Pasture	5,6
Millet	3,4
Corn (row crop)	1,2,7,8,9,10,11,12
Fallow	
Standing stubble	17,18
Disked stubble	15,16,19,20,21,22
Mulched stubble	13,14

## Ground Sampling

Dalhart's ground sampling alternated between the fields such that each field was sampled every other day. Since the aircraft flew every two days (August 14, 16 and 18), this meant that each field was sampled within 24 hours of an aircraft pass and that for each flight day the same set of fields was sampled (see Table 5). The sample teams were in the fields daily at a regular time frame of 8:00 a.m. to 12:00 p.m. to correspond with aircraft flight times.

As discovered in Guymon, a significant variation of soil moisture was directly related to changes in samplers in the field. In Dalhart each team of four was assigned a set of fields which remained unchanged during the experiment. Within each team particular points and depths were sampled by the same person. Each of the six teams was responsible for sampling eight points in the field as illustrated in Figure 4. Normally six depth increments were sampled per point. The depths 0-2, 2-5, and 5-15 cm were sampled with the trowels and 0-15, 15-30, and 30-45 cm depths with 1" soil test core tubes. The 5-15 and 9-15 cm samples used in Guymon were combined into one 5-15 cm sample in Dalhart.

Fewer core samples were taken in Dalhart. The very dry unirrigated fields 5 and 6 and 15-22 were not sampled with core tools (except a 0-15 cm sample taken in fields 19-22 the day after the August 14 rain). The soil in the unirrigated fields was so compacted and hard that driving the core tools into it deformed the tool. Values were not extrapolated for these depths and therefore show as \*\*\* in Appendix D.

TABLE 5. Dalhart ground sampling schedule.

		SAMPLE FIELD NUMBER										
		1/2	3/4	5/6	7/8	9/10	11/12	13/14	15/16	17/18	19/20	21/22
SAMPLING DATES-1980	8-13	X			X	X	X				X	X
	8-14*		X	X				X	X	X		
	8-15	X			X	X	X				X	X
	8-16*		X	X				X	X	X		
	8-17	X			X	X	X				X	X
	8-18*		X	X				X	X	X		
	8-19	X			X	X	X				X	X

\*denotes flight days

Sampling procedures were basically the same as those in Guymon. Sampling with a trowel in Dalhart was slightly different however, since the 5-9 and 9-15 cm samples were combined. At each point a hole was dug with a vertical side greater than 15 cm deep. Each trowel was driven alternately into the soil perpendicular to the side wall to obtain the top two layers 0-2 and 2-5 cm. For the 5-15 cm sample the two-centimeter trowel was driven vertically from the 5 cm point to the 15 cm level.

Once the samples were finished they were placed in the standard 8 oz paper cup. The cup was covered with a sheet of plastic wrap and a lid to prevent moisture loss. The outside of the cup was labeled with date, field, depth, point and the sampler's initials. Bulk density samples were labeled as such. There were also several deep core samples drawn from seven fields along the flight lines.

In addition to the actual soil sampling, field notes, photography, rain gauges and temperature observations were compiled daily. Although field notes were taken in Guymon they were inconsistent. Standardized field data sheets were used in Dalhart and actually written up in the field along with air, surface and soil temperature observations. Summaries of the field notes are in Appendix C.

There were nine rain gauges along the flight lines that were monitored daily. The only precipitation event during the project was on August 14. Observations the following day indicated an approximate 1 inch rain across the site with the heaviest rainfall at the east end of the flight line (1.9 inches at fields 21/22). Unfortunately the storm hit the test area at 10:30 a.m. on the 14th. Although the aircraft had just finished its flight, some fields were still being

sampled on the ground. Several points in the fields had to be abandoned. The values at these points were later estimated with comparisons to other points in the fields sampled before the rain. Outside of the rain event and pesticide dusting that forced the teams out of fields 1 and 2 on August 19, the sampling was not interrupted.

### **Sample Processing**

As the samples came in from the field they were weighed to 1/10th of a gram in the lab. This weight was recorded as the "wet" weight. Lids and seals were then discarded and samples segregated into similar degrees of moistness. A conventional microwave oven dried 20 samples at a time. At regular intervals these samples were removed and their weights plotted on a graph. When the weight loss of the test samples leveled out to less a .2 gm difference from the previous observation, they were considered dry. All samples were then removed from the oven and weighed and their final dry weights tabulated. As processing for each set of samples was completed the samples were stored for future reference.

Included in the Dalhart lab procedures was a programmable calculator and immediate computation of each sample's gravimetric soil moisture. The values were plotted daily by team leaders and suspicious values flagged. Since the soil samples had been stored they could be pulled and at least their dry weights verified. This system of checks was an important supplement to the Dalhart project. Subsequent data processing was completed at the Remote Sensing Center.



## Data Processing

To prepare the field data for analysis with aircraft data, soil moisture values for fields not sampled on flight days had to be normalized. Time series were generated as they were for the Guymon project.

Aside from providing a means for extrapolating soil moisture values for flight days, the time series were very important in estimating values for points where rain or pesticide dusting prohibited sampling. Values were estimated only where extensive cross referencing of similar conditions warranted a competent extrapolation of unsampled points. One such case was where fields 1 and 2 were sprayed with pesticides the last day of the project (August 19). Since we had plotted the soil moisture profiles since August 13 and there was no unpredicted precipitation before the spraying, we were able to estimate soil moisture values in the two fields.

Fields 5, 6, 16, 17, and 18 had to be abandoned during the August 14 sampling when a storm hit the area. Fields 13, 14 and some points in field 16 were sampled before the teams were forced out by the rain. From these data we know the unirrigated fields were very dry prior to the rain event. With this information and subsequent decay trends in the fields, reasonable estimates could be made for the unsampled points on August 14. This concluded processing for general field averages. Another set of averages had to be prepared for analysis with the line sensors.

The scatterometers and radiometers required a more discriminant field average than the scanners since their field of view was nar-

rower. Those points averaged for the line sensors were selected by the same procedure described for Guymon. The mapping of the exact flight path not only allowed us to segregate points but later was an excellent visual reference when the time boundaries of the fields were located on the line sensor plots. Often the aircraft drifted off center and in the circular fields the time boundaries became extended or contracted according to which direction the flight line shifted. Thus the flight line maps gave a preliminary indication of those fields to adjust the boundaries in.

### **Aircraft Schedule**

A total of four aircraft data sets were collected in Dalhart on August 14, 16, and 18. Time restrictions made it necessary to collect the fourth set by compressing two flight sequences into August 16.

Two runs were made over the soil moisture sampling site each flight day. Each run included 2 flight lines that extended 18 kilometers east to west. Flight line #11 (or line 1 on the field maps) covers the northern set of fields, and line #12 (or line 2 on the field maps) covers the southern set. There is an exception to this on August 14 where the flight log line numbers are opposite the corresponding field map line numbers (see Table 6).

Run 3, Line 11 may be found August 18. Operator failure to switch on the 13.3 and 4.75 GHz scatterometers on Run 2 made it necessary to refly line 11.

Two runs were flown each flight day in order to operate the passive and active microwaves on separate runs. Normally the radiometers were operating on run 1 and the scatterometers on run 2. August 14 is an exception to this rule as indicated in Table 6.

TABLE 6. Summary of the aircraft schedule in Dalhart.

DATE 1980	FILM ROLL #	FILM FRAME #	DATA SET	APPROX TIME	RUN #	LOG LINE #	MAP LINE #	MICROWAVE OPERATING	NOTES
8/14	---	Zeiss off	1	8:30 AM	1	1	---	SCATT	water calibrations
	4	001-007			1	6	---	MFMR	water calibrations
		008-013			2	6	---	MFMR	water calibrations
		014-060			1	11	2*	SCATT	flight sequence opposite on this run
		061-114			1	12	1*	SCATT	
		115-172			2	11	1	MFMR	
		173-220			2	12	2	MFMR	
		221-266		10:15 AM	1	13	---	---	photography grossly underexposed high altitude flight; only Zeiss camera in operation; underexposure makes this useless
8/16	6	001-008	2	9:00 AM	1	6	---	MFMR	water calibrations
		009-055			1	11	1	MFMR	
		056-104			1	12	2	MFMR	
		105-150			2	11	1	SCATT	
		151-199			2	12	2	SCATT	
		200-225			1	13	---	---	high altitude; Zeiss, NS001 and MMS operating; line runs along normal flight lines
	7	226-275	3		2	11	1	SCATT	extra set run here to make a total of 4 sets for the project
		001-048			2	12	2	SCATT	
		049-097			1	11	1	MFMR	
		098-146			1	12	2	MFMR	
		147-157			1	7	---	MFMR	water calibrations
8/18	---	Zeiss off		12:00 PM	1	1	---	SCATT	runway calibrations
	---	Zeiss off	4	3:00 PM	1	1	---	SCATT	runway calibrations
	1	001-014			1	6	---	MFMR	water calibrations
		015-056			1	11	1	MFMR	
		057-100			1	12	2	MFMR	
		101-144			2	11	1	SCATT	
		145-192			2	12	2	SCATT	
		225-272			3	11	1	SCATT	
		192-224			1	13	---	---	this run flown because 13.3 & 4.75 were not turned on on Run 2 line 11 high altitude; Zeiss, NS001 & MMS operating; line runs south of test lines
	2	001-011			1	7	---	MFMR	water calibrations
	---	Zeiss off		6:00 PM	2	1	---	SCATT	runway calibrations

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In addition to the normal scheduled flights at an altitude of 500 meters, a higher altitude flight at approximately 1,500 meters altitude was flown each day for mapping purposes. Two lines each flight day were flown over Lake Meredith, Texas for radiometer calibration purposes too. The water calibrations were flown at the beginning and end of the flight day and are referenced in the flight logs as lines 6 and 7.

The sensor package on board the NASA C-130 included an aerial camera, a Barnes PRT-5 radiometer, multispectral scanner, thematic mapper, four scatterometer channels and 2 radiometer channels. Following are separate discussions of the sensors and their data processing.

### **Aerial Photography**

The aircraft was equipped with a 9" Zeiss aerial camera. Color infrared film (Type SO193) was shot each flight day with a 20% overlap of the frames and a 60% overlap on the high altitude flights.

In order to facilitate mapping, higher altitude coverage at an approximate altitude of 1,500 meters was shot each flight day (Referenced as line 13 in the flight logs). High altitude passes on August 14 and 16 covered the normal flight lines while an area just south of the test site was flown on August 18. It should be noted here that problems with exposure on August 14 left film roll #4, frame #192 through the end of the roll unusable. This included parts of line 12, run 2 and all of line 13 of the high altitude run.

Photographic coverage in Guymon did not include higher altitude flights (although there was one high altitude roll of film shot from a

private plane). While Dalhart utilized color infrared film for the entire project, it was shot in Guymon only on the first flight day.

The Remote Sensing Center at Texas A&M University houses the five rolls of film for the Dalhart project, referenced as mission 428 or 430 and rolls 1, 2, 4, 6 and 7.

### Thematic Mapper - NS001

Visible and infrared data were collected with the NS001 (simulated thematic mapper) and MMS (modular multispectral scanner) during both runs each flight day. After a preliminary analysis of the two data sets, the decision was made to process the NS001. In Guymon the visible data was MSS data. In order to compare the projects' data sets, the NS001 channels processed for Dalhart were similar to the Guymon scanner channels. Following are the wavelengths of the NS001 channels with corresponding MMS channels from Guymon.

Dalhart NS001		Guymon MMS	
Band		Band	
1	450- 520 nm		
2	520- 600 nm. . . . .	4	548- 583 nm
3	630- 690 nm. . . . .	7	662- 701 nm
4	760- 900 nm. . . . .	9	703- 747 nm
5	1000-1300 nm		
6	1550-1750 nm		
7	2080-2350 nm		
8	10,400-12,500 nm. . . . .	11	8000-12080 nm

The NS001 channels were very close to those proposed for the thematic mapper on Landsat-D. Resolution was approximately 1.3 meters at 500 meters altitude.

The NS001 data were initially processed onto 9-track tapes at NASA/Johnson Space Center. Calibration data which consisted of digital counts from looks at constant radiance targets within the sensor were used to convert digital counts to radiance values. In order to minimize processing costs only run 1 data were processed.

Since radiance is a function of solar angle, a correction factor was needed before comparing radiance values between the flight dates. The data were normalized to August 18 which had the smallest solar angle. The correction factor utilized was  $R_c = \frac{R_i}{\cos \theta}$  where  $R_i$  and  $R_c$  were the non-normalized and normalized radiance values respectively, and  $\theta$  is the solar zenith angle. Field 6, 8, 10, 12 and 22 were deleted from channel 1 data due to unreasonable calibration problems. The normalized data are included in Appendix D.

### Multifrequency Microwave Radiometers

The frequency and polarizations of the passive microwave radiometers in Dalhart were the same as those flown in Guymon. L-band had a frequency of 1.6 GHz with horizontal polarization. C-bands had a frequency of 4.75 GHz with horizontal and vertical polarizations. Both bands had a presumed look angle at nadir ( $0^\circ$ ). In Guymon the two radiometers were positioned in the same location on the aircraft which made it necessary to operate each on a different run. In Dalhart, the C-band radiometer was mounted in the nose of the plane and the L-band in the rear of the plane so that both radiometers could be operated on the same run.

Initial processing of the microwave data was completed at NASA/Goddard Space Flight Center. The raw analog tapes were converted to digital uncorrected brightness temperatures. Subsequent processing was performed at the Remote Sensing Center at Texas A&M University.

To correct the brightness temperatures the following equation developed at NASA/JSC (O'Neill, 1981) was applied:

$$T_B = \frac{1}{t} \left( T_u \left( \frac{L}{1-r^2} \right) - \frac{r^2(T_o)(L)}{1-r^2} - T_L(L-1) - e T_R \right)$$

where  $t$  is the transmittance of the radome,  $e$  is the emissivity of the radome,  $T_u$  is the uncorrected brightness temperature based on raw digital counts,  $L$  is antenna cable loss factor,  $T_L$  is an antenna temperature factor,  $T_R$  is the radome temperature factor,  $r^2$  is an internal parameter for each frequency, and  $T_o$  is the self-emission of the receiver. For the Dalhart L-band horizontal data, the radome terms are omitted since the sensor used on these flights was operating in the open rear door of the aircraft. The various constants used in the equation were determined from flights over homogeneous areas. Once brightness temperatures were calculated, line plots of  $T_B$  versus time were produced and field stop and start times were determined from the plots and aerial photography.

As time boundaries for each field were delimited on the plots, a discrepancy emerged between the radiometers. There was a constant shift in the time boundaries between L and C-bands for all dates. It was discovered that the look angle in C-band was 3 to 4 degrees off nadir while the L-band was at 0 degrees as presumed.

The only passive data in Dalhart having excessive roll or drift were in field 16, line 12, run 2 on August 18. That data was deleted from the data set.

In Appendix D the MFMR field averages are followed by the number of field points used in their averages.

### Scatterometers

The scatterometers in operation over Dalhart were the same as those flown in Guymon. The scatterometers included:

- 13.3 GHz (X-band) vertical polarization

- 4.75 GHz (C-band) horizontal and vertical polarizations

- 1.6 GHz (L-band) horizontal and vertical polarizations

- 0.4 GHz (P-band) horizontal and vertical polarizations

The incident angles processed for each channel were 5, 10, 15, 20, 25, 35, 40 and 45 degrees.

The runs on which the scatterometers were operating in Dalhart are listed in Table 6. On August 18 the operator did not switch on the 13.3 and 4.75 GHz frequencies for line 11, run 2. The line was reflown and labeled line 11, run 3 in the flight logs. The data from this run were that which were used for the current data set in Appendix D.

The raw scatterometer data that were collected in Dalhart in analog tape form were processed at NASA/JSC. Copies of the tape were forwarded to Texas A&M University, Remote Sensing Center. Subsequent processing included conversion of the data to digital form and calculation of scattering coefficients. Analog data were transposed to digital values on 9-track magnetic tapes. The digital data were pro-



cessed with the software that calculated the scattering coefficient for each look angle at a given time interval. Data were also processed so that each cell size had a length approximately 25 meters for K-band, 38 meters for C-band, 50 meters for L-band, and 75 meters for P-band. The software is described by Claassen et al. (1979) and Clark and Newton (1979). A technique described by Blanchard and Theis (1981) was implemented in order to remove crossover effects from the like polarized data to the cross polarized L-band data. With completion of the processing the location of each sample field in the data was determined.

Line plots of  $\sigma$  versus time were produced for every date, frequency and polarization. The plots were used in conjunction with times off the aerial photography to locate the field boundaries along each line. The high signal response to roads, pivot rigs and corn fields in the line plots functioned as reference points. Where there was a significantly high return from a pivot rig in a sample field, we listed a start/stop time before the rig and start/stop time after the rig. This eliminated the pivot rig from the average and the two time frames for the field were concatenated in computing the field averages.

Further adjustments were made in the plots to insure that field averages were well within the field boundaries. In the original processing all the times were normalized to a  $5^\circ$  look angle. Start/stop times were shifted at least .5 seconds at the front of the field to insure that no areas beyond the field were included in the boundaries. From the final list of start/stop times, field averages of  $\sigma^0$  were generated. Several other parameters were computed with the field averages such as aircraft roll and drift.

There were by far fewer problems with roll and drift in Dalhart than in Guymon. However, whenever roll exceeded  $3.5^{\circ}$  and drift  $9^{\circ}$ , the scatterometer average at that angle was deleted. Table 7 lists those fields deleted from the scatterometer data set. The only other major deletion from the scatterometer set was 4.75 HV on August 14. Apparent internal problems with the scatterometer on line 11 made it necessary to eliminate all but fields 8, 10 and 12 (this problem was recognized when analyzing the line plots).

Time series plots generated for the scatterometer field values were helpful in troubleshooting deviate values just as they had been for the ground data. Only a few values were unreasonable and investigation verified that some mistakes were made in the hand calculations of the concatenated fields. Corrected values were added to the data set.

TABLE 7. Questionable scatterometer data in Dalhart due to excessive roll and drift.

Date	Field #	Questionable Analysis
8/14/80	All data is good	
8/16/80	All data is good	
8/18/80	L12 R2 20,8,18	45° (drift 9°)
	L12 R2 14	40, 45° (drift 11°)
	L12 R2 16	All Angles

## CONCLUSIONS

The soil moisture study conducted in Guymon, Oklahoma and Dalhart, Texas consisted of soil moisture sampling and aircraft multi-sensor data collection. The purpose of the study was to correlate temporally based ground and aircraft data, to investigate interactions at the soil surface/vegetation interface under a variety of moisture ranges and to determine the optimum combination of sensors on an airborne platform for soil moisture detection and vegetation classification.

Within the context of this report it cannot be overemphasized that 1) the site evaluation eliminates as many of the variables which influence the sensor responses as possible, 2) the ground work be consistent and daily observations of field conditions be well documented, 3) labs are available for on site and immediate ground sample processing, 4) temporal data be examined graphically in addition to statistical analysis and that 5) temporal aircraft data be calibrated in any research of this type. Recommendations from the analysis of the data sets may be found in the accompanying reports by Rosenthal and Theis.

The data sets (Appendices B and D) accompanying this report supercede previously published data. It includes all ground and aircraft data with normalized and corrected values.

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## **APPENDIX A**

### **FIELD NOTES FROM THE GUYMON STUDY**

## FIELD NOTES

### Field #

#### 1X Crop Type - Milo

Aug. 1 - irrigated; standing H<sub>2</sub>O on pts. 1, 2, 3, 6, 8

Aug. 4 - field condition still wet; SE corner dry (pt. 7)

Aug. 7 - Pt. 1 wet

Aug. 10- Pts. dry except in NE corner

Aug. 13- Milo blooming

Aug. 14- Surface cracks developing

#### 2X Crop Type - None - Bare

Aug. 1 - field smooth; little stubble; dry & loose but uniform

Aug. 4 - Pt. 8 wet; plow pan at 11 cm.

Aug. 6 - Dry; tilled around wet Pt. 8

Aug. 10- Pt. 3 & 7 dry

#### 1A Crop Type - Milo (Irregular 2 ft. weeds)

Aug. 3 - field dry and hard, cracks throughout field

Aug. 6 - Top dry; moist below 7 cm; some rows flooded

Aug. 9 - All pts. dry

Aug. 15- All pts. dry; milo heading out

#### 2A Crop Type - Milo (Irregular 2' weeds)

Aug. 1 - Sampling consistently dry although began irrigation

Aug. 4 - Even points wet; odd points dry

Aug. 6 - Conditions same

Aug. 16- 2, 4, 6, 8 drier

**Field #**

**2 Crop Type - Bare**

Aug. 1 - Smooth w/5 cm of straw on top; 5-.0% weeds

Aug. 10- Crust formation (1-2 cm) - result of light rain previous day; soil moist below 15 cm

**10 Crop Type - Bare**

Aug. 1 - Surface dry & medium rough

Aug. 4 - Surface moist from Aug. 2's light rain (<.10")

Aug. 10- Light rain 8/9 resulting in crust formation of 1-2 cm deep; soil moisture below 15 cm

**4/13 Crop Type - Alfalfa**

Aug. 3 - Wet down to 15 cm due to moderate rain 8/2; ripped with chisel; sandy caliche soil below 15 cm (usually 30-45 cm)

Aug. 6 - Dried considerably since last sampling

Aug. 9 - Alfalfa 18" in height

Aug. 12- Dry except pt. 8(field 13)

**6 Crop Type - Bare**

Aug. 2 - Powdery soil; low area near pt. 7 very moist caliche

Aug. 5 - Top layers moist

Aug. 8 - Dry



## Field #

### 14 Crop Type - Bare

Aug. 2 - Wet - just irrigated

Aug. 5 - Soil dry below 30-45 cm

Aug. 8 - Volunteer wheat 3" in eastern half; moist below surface

Aug. 17- Surface dry - subsurface moist

### 7 Crop Type - Milo 8" hgt.

Aug. 3 - Ditches filled with rain night of 8/2

Aug. 6 - Pt. 3 moist to 15 cm; sampling difficult at deep samples  
(30-45 cm) due to caliche which is present in much of  
the field; field drying

Aug. 9 - Irrigation in operation - pts. 5, 6, 7, 8 moist (pt. 6  
directly under sprinkler - unable to sample; top 15 cm  
moist, 15-45 cm dry

### 15 Crop Type - Milo 8" height

Aug. 3 - Ditches filled with rain from 8/2 shower

### 8 Crop Type - Milo 2½-3 ft. tall

Aug. 1 - Dry

Aug. 4 - No rain; all pts. dry although running H<sub>2</sub>O down 4 rows;  
soil very hard under 15 cm.

Aug. 10- Irrigation - pts. 3 & 7 dry; pts. 1 & 5 wet, even #'s dry

Aug. 13- Plant in northern half thinner; soil dry

17 Crop Type - Straw stubble

Aug. 1 - Soil dry but with subsurface moisture

Aug. 4 - Effect on rain (<.10") very slight

Aug. 5 - Crop duster flew over

Aug. 7 - Dry

Aug. 10- Dry; below 9 cm soil was hard

Aug. 13- Surface very dry; subsurface moist

19 Crop Type - Milo 2½'

Aug. 1 - Pts. 1 & 2 very muddy

Aug. 4 - Pts. 5, 6, 7, 8 dry; rows between pts. flooded

Aug. 7 - Pts. 1, 4 dry; pts. 5, 6 - muddy; pts. 7, 8 drying out

Aug. 10- All pts. dry; irrigation between some pts.

Aug. 13- Pts. 1 & 2 dry; pts. 3 & 4 being flooded

24 Crop Type - Milo 2½'

Aug. 1 - Pts. 7, 8 muddy

Aug. 4 - Pts. 7,8 muddy

Aug. 7 - Pts., 1, 4 dry; pts. 5, 6 wet; pts. 7, 8 drying out

Aug. 10- All pts. dry

Aug. 13- Pts. 1 & 2 dry; pts. 3, 4 being flooded

Aug. 16- Sprayed with parathyon (8/15); all pts. dry at surface

20 Crop Type - Milo 3'

Aug. 3 - Irrigation - pts. 1, 3 wet

Aug. 14- Wet north half of field has nature milo heading out well;  
saturated south half just beginning to head out

Aug. 17- All pts. wet except #1

Field #

25 Crop Type - Milo 3'

Aug. 3 - Field moist

Aug. 8 - Pt. 1 dry, remaining pts. wet

21 Crop Type - Bare

Aug. 3 - Top 0-2 cm wet from light rain; below 2 cm crumbly dry

Aug. 5 - Dry

Aug. 8 - Ammonia being put down around field edges

Aug. 17- All dry

26 Crop Type - Bare

Aug. 3 - Light rain

Aug. 6 - Soil very dry

Aug. 9 - Plowed

Aug. 12- Powdery dry

Aug. 18- Dry

22 Crop Type - Alfalfa

Aug. 3 - Caliche layer at 15 cm; H<sub>2</sub>O near pt. 5

Aug. 6 - Alfalfa 1.5'

Aug. 9 - Wet from irrigation (pt. 7 dry); Alfalfa 2'

Aug. 12- Damp to slightly muddy

Aug. 18- Alfalfa has been cut

**Field #**

**27 Crop Type - Alfalfa**

Aug. 3 - Heavy clay

Aug. 6 - Irrigation - pts. 1, 4 wet

Aug. 9 - Dry

Aug. 12- Irrigation - pts. wet

Aug. 15- Alfalfa 2'

Aug. 18- Alfalfa has been cut; irrigation began

**APPENDIX B**

**FINAL DATA SET FOR GUYMON, OKLAHOMA**

# GUYMON - HEADER INFORMATION FOR DATA BASE

Each field has two sets of 14 cards for each date. There is a second set of data because some sensors were operating on both runs. (This was not the case in Dalhart.)

Each card has the following information in columns 1-24:

1-2	Day
4-8	Month/year
9	Flight # (1 through 4)
10-11	Card # (1 through 14)
12-17	Sensor or SM
19-20	Field # (character)
22	Sorting character
23	Line
24	Run

Card 13 (column 17) has a one digit character unique to each field. For Guymon those characters are capital letters. For example field 2 is A, field 10 is B.....field 2X is H on line 1 and J on line 4...

Card 8 in each set a one digit field symbol (column 17) to describe the crop type. They are as follows:

B= bare  
L= parallel milo  
R= perpendicular milo  
A= alfalfa  
C= corn (Clayton)

Columns 26-80 list all the ground and aircraft averages for each field.

			COLUMNS							
			26-31	33-38	40-45	47-52	54-59	61-66	68-73	75-80
CARDS	#1-7	Scatts	5°	10°	15°	20°	25°	35°	40°	45°
	8	M <sup>2</sup> S		CH 4	7	8	9			11
	9	MFMR	HL	HC	VC	#pts	#pts	#pts		
	10-12	SM	0-2cm	2-5	5-9	9-15	0-15	15-30	30-45	
	13	*MFMR	HL	HC	VC	#pts	#pts	#pts		
	14	PRT-5	°C	#pts	PVI	TVI				

\* Card 13 represents the early uncalibrated MFMR values.

Blanks in the data base where values normally exist, mean the values are not available or have been deleted.

ORIGINAL PAGE 13  
OF POOR QUALITY

## GUYMON FIELD CHARACTERS

The following characters designate each field in the data base outputs and computer graphs

FIELD	CHARACTER
2	A
4	N
6	C
7	V
8	W
1A	X
1X	S L1
	T L2
	Z L3
10	B
13	L
14	D
15	V
17	E
19	O
2A	Y
2X	H L1
	I L2
	J L3
20	Q
21	F
22	M
24	P
25	R
26	G
27	K

2	AUG78	1113.3VV	2	111	-1.10	-3.70	-6.90	-	9.20	-8	.70	-11.	00	.	.	.	*	
2	AUG78	12 1.6HH	2	111	-8.30	-11.70	-14.20	-1	5.90	-17	.20	-20.	20	.	.	.	*	
2	AUG78	13 1.6HV	2	111	-18.40	-21.90	-23.50	-2	4.60	-25	.50	-27.	30	.	.	.	*	
2	AUG78	14 .4HH	2	111	-18.24	-21.20	-23.60	-2	5.00	-25	.80	-33.	50	.	.	.	*	
2	AUG78	15 .4HV	2	111	-25.00	-32.20	-37.10	-4	0.40	-42	.10	-50.	00	.	.	.	*	
2	AUG78	164.75HH	2	110	.	.	.	.	.	.	.	.	.	.	.	.	*	
2	AUG78	174.75HV	2	110	.	.	.	.	.	.	.	.	.	.	.	.	*	
2	AUG78	18 M	B	2	111	.	1.05	1.22	1.31	2	.89	.	.	.	.	27.01*	*	
2	AUG78	19HLHCVC	2	111	.	285.2	288.6	.	.	.	.	.	.	.	.	.	*	
2	AUG78	110FLD S	M	2	110	2.7	3.2	.	.	.	.	.	.	.	.	.	*	
2	AUG78	111 LN S	M	2	111	2.5	3.0	5.7	15.5	9.8	25	.6	26.	4	.	.	*	
2	AUG78	112 LN S	M	2	111	2.5	3.0	5.7	15.5	9.8	25	.6	26.	4	.	.	*	
2	AUG78	113OLDPM	A	2	111	.	289.2	289.2	.	.	.	.	.	.	.	.	*	
2	AUG78	114 PRT5	2	111	25.4	0.135	0	.952	.	39.	31	39.8	5	.	.	.	*	
2	AUG78	1113.3VV	2	212	-1.10	-3.70	-6.30	-	9.10	-8	.40	-12.	20	-12.6	0	.	.	*
2	AUG78	12 1.6HH	2	210	.	.	.	.	.	.	.	.	.	.	.	.	*	
2	AUG78	13 1.6HV	2	210	.	.	.	.	.	.	.	.	.	.	.	.	*	
2	AUG78	14 .4HH	2	212	-16.70	-18.70	-19.80	-2	1.70	-23	.50	-31.	50	-32.6	0	.	.	*
2	AUG78	15 .4HV	2	212	-28.40	-32.20	-36.20	-3	9.00	-42	.30	-50.	60	-49.6	0	.	.	*
2	AUG78	164.75HH	2	212	5.38	-0.03	-4.31	-	6.48	-7	.78	-10.	85	-12.0	3	.	.	*
2	AUG78	174.75HV	2	212	-6.11	-9.03	-15.56	-1	7.40	-19	.96	-22.	91	-23.1	2	.	.	*
2	AUG78	18 M	B	2	211	.	.	.	.	.	.	.	.	.	.	27.01*	*	
2	AUG78	19HLHCVC	2	212	274.6	.	.	.	.	.	.	.	.	.	.	.	*	
2	AUG78	110FLD S	M	2	210	2.7	3.2	.	.	.	.	.	.	.	.	.	*	
2	AUG78	111 LN S	M	2	212	2.7	3.2	6.0	14.8	9.3	23	.9	25.	4	.	.	*	
2	AUG78	112 LN S	M	2	212	2.7	3.2	6.0	14.8	9.3	23	.9	25.	4	.	.	*	
2	AUG78	113OLDPM	A	2	212	279.6	.	.	.	.	.	.	.	.	.	.	*	
2	AUG78	114 PRT5	2	212	23.1	.	.	.	.	.	.	.	.	.	.	.	*	
5	AUG78	2113.3VV	2	111	5.30	1.10	-4.00	-	8.40	-7	.90	-13.	30	.	.	.	*	
5	AUG78	22 1.6HH	2	111	-4.70	-9.10	-12.90	-1	4.80	-16	.80	-20.	60	.	.	.	*	
5	AUG78	23 1.6HV	2	111	-17.70	-19.10	-21.50	-2	2.20	-23	.20	-25.	30	.	.	.	*	
5	AUG78	24 .4HH	2	111	-12.60	-17.50	-21.40	-2	4.40	-26	.90	-35.	40	.	.	.	*	
5	AUG78	25 .4HV	2	111	-25.70	-28.60	-33.30	-3	5.30	-38	.70	-47.	20	.	.	.	*	
5	AUG78	264.75HH	2	111	6.64	0.74	-4.59	-	8.20	-9	.94	-12.	97	.	.	.	*	
5	AUG78	274.75HV	2	111	-4.81	-8.61	-16.55	-1	9.54	-21	.98	-25.	75	.	.	.	*	
5	AUG78	28 M	B	2	111	.	1.22	1.42	1.60	3	.54	.	.	.	.	19.98*	*	
5	AUG78	29HLHCVC	2	111	.	258.6	262.7	.	.	.	.	.	.	.	.	.	*	
5	AUG78	210FLD S	M	2	110	11.6	12.7	.	.	.	.	.	.	.	.	.	*	
5	AUG78	211 LN S	M	2	111	10.5	12.3	8.8	13.6	1	3.7	22	.0	24.	1	.	*	
5	AUG78	212 LN S	M	2	111	10.5	12.3	8.8	13.6	1	3.7	22	.0	24.	1	.	*	
5	AUG78	213OLDPM	A	2	111	.	264.0	264.5	.	.	.	.	.	.	.	.	*	
5	AUG78	214 PRT5	2	111	19.0	0.254	0	.963	.	39.	31	39.8	5	.	.	.	*	
5	AUG78	2113.3VV	2	212	4.30	0.10	-5.70	-	8.80	-8	.70	-14.	20	-15.4	0	-16.30*	*	
5	AUG78	22 1.6HH	2	210	.	.	.	.	.	.	.	.	.	.	.	.	*	
5	AUG78	23 1.6HV	2	210	.	.	.	.	.	.	.	.	.	.	.	.	*	
5	AUG78	24 .4HH	2	212	-11.20	-16.10	-20.30	-2	3.40	-24	.50	-34.	70	-34.9	0	-34.00*	*	
5	AUG78	25 .4HV	2	212	-24.10	-28.10	-32.20	-3	3.40	-38	.90	-47.	30	-48.1	0	-45.70*	*	
5	AUG78	264.75HH	2	210	.	.	.	.	.	.	.	.	.	.	.	.	*	
5	AUG78	274.75HV	2	210	.	.	.	.	.	.	.	.	.	.	.	.	*	
5	AUG78	28 M	B	2	211	.	.	.	.	.	.	.	.	.	.	19.98*	*	
5	AUG78	29HLHCVC	2	212	251.0	.	.	.	.	.	.	.	.	.	.	.	*	
5	AUG78	210FLD S	M	2	210	11.6	12.7	.	.	.	.	.	.	.	.	.	*	
5	AUG78	211 LN S	M	2	212	11.6	12.7	10.1	14.3	1	4.6	23	.3	24.	4	.	*	
5	AUG78	212 LN S	M	2	212	11.6	12.7	10.1	14.3	1	4.6	23	.3	24.	4	.	*	
5	AUG78	213OLDPM	A	2	212	255.8	.	.	.	.	.	.	.	.	.	.	*	
5	AUG78	214 PRT5	2	212	22.3	.	.	.	.	.	.	.	.	.	.	.	*	
5	AUG78	3113.3VV	2	111	7.10	3.90	-0.70	-	5.50	-5	.20	-10.	40	-10.5	0	-11.00*	*	
8	AUG78	32 1.6HH	2	111	3.10	-4.40	-6.80	-	8.90	-11	.90	-16.	00	-18.7	0	-20.60*	*	
8	AUG78	33 1.6HV	2	111	-18.20	-20.50	-20.90	-2	1.20	-22	.00	-24.	00	-24.8	0	-26.40*	*	



8	AUG78	34 .4HH	2	111	-13.90	-17.60	-	20.70	-2	2.10	-23	.00	-31.	60	-32.7	0	-34.90*
8	AUG78	35 .4HV	2	111	-25.97	-28.50	-	33.70	-3	7.50	-42	.70	-49.	80	-48.5	0	-49.00*
8	AUG78	364.75HH	2	110	19.80	13.90		9.00		4.50	2	.60	-0.	90	-2.0	0	-4.50*
8	AUG78	374.75HV	2	110	16.20	8.50		5.30		3.60	2	.30	-2.	20	-2.7	0	-5.90*
8	AUG78	38 M	B	2	111	.	0.95	1.10		1.25	2	.95	.		.		19.71*
8	AUG78	39HLHCVC	2	111	.	224.7		227.8		.		.	.		.		*
8	AUG78	310FLD S	M	2	110	16.0	8.4	.		.		.	.		.		*
8	AUG78	311 LN S	M	2	111	.	.	.		.		.	.		.		*
8	AUG78	312 LN S	M	2	111	.	.	.		.		.	.		.		*
8	AUG78	313OLDPM	A	2	111	.	232.7	232.1		.		.	.		.		*
8	AUG78	314 PRTS	2	111	18.3	.		0.310	0	.978		.	39.	31	39.8	5	*
8	AUG78	3113.3VV	2	210	.	.		.		.		.	.		.		*
8	AUG78	32 1.6HH	2	210	.	.		.		.		.	.		.		*
8	AUG78	33 1.6HV	2	210	.	.		.		.		.	.		.		*
8	AUG78	34 .4HH	2	210	.	.		.		.		.	.		.		*
8	AUG78	35 .4HV	2	210	.	.		.		.		.	.		.		*
8	AUG78	364.75HH	2	210	.	.		.		.		.	.		.		*
8	AUG78	374.75HV	2	210	.	.		.		.		.	.		.		*
8	AUG78	38 M	B	2	211	.	.	.		.		.	.		.		19.71*
8	AUG78	39HLHCVC	2	212	210.9	.		.		.		.	.		.		*
8	AUG78	310FLD S	M	2	210	16.0	8.4	.		.		.	.		.		*
8	AUG78	311 LN S	M	2	212	.	.	.		.		.	.		.		*
8	AUG78	312 LN S	M	2	212	.	.	.		.		.	.		.		*
8	AUG78	313OLDPM	A	2	212	214.8	.	.		.		.	.		.		*
8	AUG78	314 PRTS	2	212	19.3	.		.		.		.	39.	31	39.8	5	*
11	AUG78	4113.3VV	2	111	3.00	-0.60		-5.30	-1	0.00	-9	.70	-14.	10	-15.8	0	-1.80
11	AUG78	42 1.6HH	2	111	-7.50	-12.00		15.10	-1	6.60	-18	.90	-23.	20	-24.7	0	-25.90*
11	AUG78	43 1.6HV	2	111	-20.80	-22.40		25.50	-2	6.50	-27	.70	-31.	30	-31.6	0	-30.80*
11	AUG78	44 .4HH	2	111	-14.75	-15.17		20.93	-2	0.10	-21	.40	-30.	00	-28.8	0	-31.90*
11	AUG78	45 .4HV	2	111	-24.39	-27.00		32.10	-3	4.90	-38	.90	-47.	60	-46.7	0	-47.64*
11	AUG78	464.75HH	2	110	19.00	12.50		7.40		4.00	1	.60	-1.	90	-3.3	0	-6.00*
11	AUG78	474.75HV	2	110	12.40	4.50		-0.90	-	4.90	-7	.00	-11.	40	-11.2	0	-14.60*
11	AUG78	48 M	B	2	111	.	1.73	1.97		2.12	4	.58	.		.		38.69*
11	AUG78	49HLHCVC	2	111	.	284.1		288.3		.		.	.		.		*
11	AUG78	410FLD S	M	2	110	5.3	7.8	.		.		.	.		.		*
11	AUG78	411 LN S	M	2	111	5.2	7.1	10.0		14.7	1	0.9	21	.2	24.	3	*
11	AUG78	412 LN S	M	2	111	5.2	7.1	10.0		14.7	1	0.9	21	.2	24.	3	*
11	AUG78	413OLDPM	A	2	111	.	288.7	290.0		.		.	.		.		*
11	AUG78	414 PRTS	2	111	36.0	.		0.172	0	.948		.	39.	31	39.8	5	*
11	AUG78	4113.3VV	2	212	2.80	-1.00		-5.60	-	9.80	-10	.10	-14.	40	-15.0	0	-14.10*
11	AUG78	42 1.6HH	2	210	.	.		.		.		.	.		.		*
11	AUG78	43 1.6HV	2	210	.	.		.		.		.	.		.		*
11	AUG78	44 .4HH	2	212	-11.12	-14.40		17.80	-1	9.00	-20	.40	-28.	20	-29.8	0	-31.20*
11	AUG78	45 .4HV	2	212	-20.30	-24.80		29.70	-3	2.00	-37	.20	-45.	00	-45.6	0	-43.60*
11	AUG78	464.75HH	2	210	.	.		.		.		.	.		.		*
11	AUG78	474.75HV	2	210	.	.		.		.		.	.		.		*
11	AUG78	48 M	B	2	211	.	.	.		.		.	.		.		38.69*
11	AUG78	49HLHCVC	2	212	279.4	.		.		.		.	.		.		*
11	AUG78	410FLD S	M	2	210	5.3	7.8	.		.		.	.		.		*
11	AUG78	411 LN S	M	2	212	5.2	7.1	10.0		14.7	1	0.9	21	.2	24.	3	*
11	AUG78	412 LN S	M	2	212	5.2	7.1	10.0		14.7	1	0.9	21	.2	24.	3	*
11	AUG78	413OLDPM	A	2	212	287.9	.	.		.		.	.		.		*
11	AUG78	414 PRTS	2	212	37.7	.		.		.		.	39.	31	39.8	5	*
14	AUG78	5113.3VV	2	113	4.10	-0.30		-5.00	-	8.10	-8	.50	-13.	60	.		*
14	AUG78	52 1.6HH	2	113	-6.50	-10.50		13.20	-1	5.90	-17	.70	-21.	60	.		*
14	AUG78	53 1.6HV	2	113	-21.30	-23.80		23.80	-2	5.60	-27	.60	-30.	70	.		*
14	AUG78	54 .4HH	2	113	-14.30	-17.00		18.90	-2	0.40	-22	.90	-29.	10	.		*
14	AUG78	55 .4HV	2	113	-25.21	-27.40		32.80	-3	6.70	-39	.70	-46.	30	.		*
14	AUG78	564.75HH	2	111	7.18	1.68		-3.28	-	7.29	-10	.18	-14.	23	.		*

14	AUG78	574.75HV	2	111	-4.27	-10.67	-	17.69	-1	9.83	-23	.12	-27.	03	.	.	28.45*
14	AUG78	58 M	B	2	111	.	1.52	1.81	.	1.89	4	.15	.	.	.	28.45*	
14	AUG78	59HLHCVC	M	2	113	.	280.6	285.8	.	.	.	.	.	.	.	28.45*	
14	AUG78	510FLD S	M	2	110	3.6	5.2	.	.	.	.	.	.	.	.	28.45*	
14	AUG78	511 LN S	M	2	111	3.6	5.2	9.8	.	14.5	.	9.6	22	.5	24.	5	
14	AUG78	512 LN S	M	2	111	3.6	5.2	9.8	.	14.5	.	9.6	22	.5	24.	5	
14	AUG78	513OLDPM	A	2	113	.	285.4	287.6	.	.	.	.	.	.	.	28.45*	
14	AUG78	514 PRTS	2	113	30.8	.	0.131	0	.	.945	.	.	39.	31	39.8	5	
14	AUG78	5113.3VV	2	212	4.10	.	-5.00	-	.	8.80	-8	.30	-12.	90	-14.5	0	
14	AUG78	52 1.6HH	2	210	.	.	.	.	.	.	.	.	.	.	.	28.45*	
14	AUG78	53 1.6HV	2	210	.	.	.	.	.	.	.	.	.	.	.	28.45*	
14	AUG78	54 .4HH	2	212	-14.90	-17.30	-	19.80	-2	0.80	-21	.26	-29.	70	-32.2	0	
14	AUG78	55 .4HV	2	212	-24.10	-28.40	-	33.70	-3	4.90	-38	.90	-46.	00	-46.3	0	
14	AUG78	564.75HH	2	210	.	.	.	.	.	.	.	.	.	.	.	28.45*	
14	AUG78	574.75HV	2	210	.	.	.	.	.	.	.	.	.	.	.	28.45*	
14	AUG78	58 M	B	2	211	.	.	.	.	.	.	.	.	.	.	28.45*	
14	AUG78	59HLHCVC	M	2	212	274.4	.	.	.	.	.	.	.	.	.	28.45*	
14	AUG78	510FLD S	M	2	210	3.6	5.2	.	.	.	.	.	.	.	.	28.45*	
14	AUG78	511 LN S	M	2	212	3.6	5.2	9.8	.	14.5	.	9.6	22	.5	24.	5	
14	AUG78	512 LN S	M	2	212	3.6	5.2	9.8	.	14.5	.	9.6	22	.5	24.	5	
14	AUG78	513OLDPM	A	2	212	281.7	.	.	.	.	.	.	.	.	.	28.45*	
14	AUG78	514 PRTS	2	212	29.7	.	.	.	.	.	.	.	.	.	.	28.45*	
17	AUG78	6113.3VV	2	111	3.90	0.50	-3.70	-	.	8.40	-8	.70	-12.	31	39.8	5	
17	AUG78	62 1.6HH	2	111	-5.40	-9.40	-	12.70	-1	4.10	-16	.50	-20.	60	-14.6	0	
17	AUG78	63 1.6HV	2	111	-16.00	-20.70	-	24.00	-2	3.30	-27	.20	-28.	50	-22.1	0	
17	AUG78	64 .4HH	2	111	-14.20	-16.30	-	18.60	-1	9.20	-21	.36	-29.	60	-29.8	0	
17	AUG78	65 .4HV	2	111	-23.40	-26.50	-	33.90	-3	5.70	-37	.80	-48.	80	-33.0	9	
17	AUG78	664.75HH	2	111	7.41	1.87	-4.09	-	8.08	-10	.62	-14.	90	-47.3	0		
17	AUG78	674.75HV	2	111	-4.15	-10.34	-	16.21	-2	0.52	-22	.48	-28.	99	-18.0	7	
17	AUG78	68 M	B	2	111	.	1.63	1.87	.	2.02	4	.34	.	32	-29.1	6	
17	AUG78	69HLHCVC	M	2	111	.	279.1	283.1	.	.	.	.	.	.	.	29.93*	
17	AUG78	610FLD S	M	2	110	3.3	4.8	.	.	.	.	.	.	.	.	29.93*	
17	AUG78	611 LN S	M	2	111	3.3	5.1	8.5	.	15.6	.	9.1	22	.3	23.	5	
17	AUG78	612 LN S	M	2	111	3.3	5.1	8.5	.	15.6	.	9.1	22	.3	23.	5	
17	AUG78	613OLDPM	A	2	111	.	284.1	285.3	.	.	.	.	.	.	.	29.93*	
17	AUG78	614 PRTS	2	111	28.4	0.159	0	.	.	.947	.	.	39.	31	39.8	5	
17	AUG78	6113.3VV	2	212	3.20	-0.20	-4.20	-	.	9.20	-9	.10	-13.	30	-14.1	0	
17	AUG78	62 1.6HH	2	210	.	.	.	.	.	.	.	.	.	.	.	29.93*	
17	AUG78	63 1.6HV	2	210	.	.	.	.	.	.	.	.	.	.	.	29.93*	
17	AUG78	64 .4HH	2	212	-12.40	-15.10	-	18.60	-1	9.40	-19	.60	-28.	90	-30.7	0	
17	AUG78	65 .4HV	2	212	-22.40	-26.50	-	32.80	-3	4.80	-37	.80	-47.	80	-46.3	0	
17	AUG78	664.75HH	2	210	.	.	.	.	.	.	.	.	.	.	.	29.93*	
17	AUG78	674.75HV	2	210	.	.	.	.	.	.	.	.	.	.	.	29.93*	
17	AUG78	68 M	B	2	211	.	.	.	.	.	.	.	.	.	.	29.93*	
17	AUG78	69HLHCVC	M	2	212	277.9	.	.	.	.	.	.	.	.	.	29.93*	
17	AUG78	610FLD S	M	2	210	3.3	4.8	.	.	.	.	.	.	.	.	29.93*	
17	AUG78	611 LN S	M	2	212	3.3	5.0	8.5	.	15.6	.	9.1	22	.3	23.	6	
17	AUG78	612 LN S	M	2	212	3.3	5.0	8.5	.	15.6	.	9.1	22	.3	23.	6	
17	AUG78	613OLDPM	A	2	212	285.6	.	.	.	.	.	.	.	.	.	29.93*	
17	AUG78	614 PRTS	2	212	32.1	.	.	.	.	.	.	.	.	.	.	29.93*	
2	AUG78	1113.3VV	4	111	2.20	-2.40	-6.30	-	.	9.40	-8	.40	-11.	31	39.8	5	
2	AUG78	12 1.6HH	4	111	-5.30	-9.40	-	12.20	-1	4.00	-16	.60	-19.	60	.	.	
2	AUG78	13 1.6HV	4	111	-16.40	-19.40	-	20.10	-2	0.80	-21	.90	-22.	10	.	.	
2	AUG78	14 .4HH	4	111	-15.40	-20.40	-	24.60	-2	8.40	-32	.90	-36.	30	.	.	
2	AUG78	15 .4HV	4	111	-25.80	-27.10	-	32.00	-3	5.10	-41	.30	-45.	00	.	.	
2	AUG78	164.75HH	4	110	.	.	.	.	.	.	.	.	.	.	.	29.93*	
2	AUG78	174.75HV	4	110	.	.	.	.	.	.	.	.	.	.	.	29.93*	
2	AUG78	18 M	A	4	111	.	0.82	0.45	.	1.97	7	.50	.	.	.	21.70*	
2	AUG78	19HLHCVC	4	111	.	267.9	271.7	.	.	.	.	.	.	.	.	21.70*	

ORIGINAL PART ID  
OF POOR QUALITY

2	AUG78	110FLD S	M	4	110	17.9	20.6	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
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ORIGINAL PAGE IS  
OF POOR QUALITY

8	AUG78	3130LOPM	N	4	111	.	274.5	275.8											*
8	AUG78	314 PRTS		4	111	18.1		4.025	1	.186		33.	83	34.5	5			*	
8	AUG78	3113.3VV		4	212	0.50	-2.00	-5.20	-	8.70	-8	.00	-11.	80	-12.0	0	-12.60*	*	
8	AUG78	32 1.6HH		4	210	.	.	.		.		.	.	.	.	.	.	*	
8	AUG78	33 1.6HV		4	210	.	.	.		.		.	.	.	.	.	.	*	
8	AUG78	34 .4HH		4	212	-12.30	-16.70	-22.40	-2	5.70	-29	.40	-34.	20	-34.2	0	-34.60*	*	
8	AUG78	35 .4HV		4	212	-23.90	-27.70	-34.50	-3	9.50	-44	.70	-48.	50	-49.7	0	-47.40*	*	
8	AUG78	364.75HH		4	210	.	.	.		.		.	.	.	.	.	.	*	
8	AUG78	374.75HV		4	210	.	.	.		.		.	.	.	.	.	.	*	
8	AUG78	38 M	A	4	211	.	.	.		.		.	.	.	.	.	19.47*	*	
8	AUG78	39HLHCVC		4	212	249.8	.	.		.		.	.	.	.	.	.	*	
8	AUG78	310FLD S	M	4	210	21.3	22.4	.		.		.	.	.	.	.	.	*	
8	AUG78	311 LN S	M	4	212	20.5	21.8	22.6		22.1	2	1.7	22	.2	18.	6	.	*	
8	AUG78	312 LN S	M	4	212	20.5	21.8	22.6		22.1	2	1.7	22	.2	18.	6	.	*	
8	AUG78	3130LOPM	N	4	212	255.0	.	.		.		.	.	.	.	.	.	*	
8	AUG78	314 PRTS		4	212	18.7	.	.		.		33.	83	34.5	5		.	*	
11	AUG78	4113.3VV		4	111	-3.50	-5.70	-7.60	-1	0.40	-8	.90	-13.	20	-11.7	0	-12.80*	*	
11	AUG78	42 1.6HH		4	111	-5.00	-15.60	-18.90	-1	9.50	-21	.50	-24.	00	-25.3	0	-26.40*	*	
11	AUG78	43 1.6HV		4	111	-21.10	-24.00	-26.40	-2	4.40	-26	.90	-28.	40	-30.2	0	-30.80*	*	
11	AUG78	44 .4HH		4	111	-16.20	-20.60	-24.10	-2	6.00	-28	.30	-33.	20	-33.1	0	-33.90*	*	
11	AUG78	45 .4HV		4	111	-27.24	-29.34	-34.80	-3	7.46	-42	.36	-46.	38	-46.2	8	-47.04*	*	
11	AUG78	464.75HH		4	110	14.90	10.10	6.90		3.10	2	.30	-0.	10	-0.8	0	-2.30*	*	
11	AUG78	474.75HV		4	110	15.40	6.50	3.10		1.80	0	.60	-3.	40	-2.4	0	-5.50*	*	
11	AUG78	48 M	A	4	111	.	0.70	0.40		1.90	7	.85	.	.	.	.	29.07*	*	
11	AUG78	49HLHCVC		4	111	.	286.3	292.6		.		.	.	.	.	.	.	*	
11	AUG78	410FLD S	M	4	110	9.9	13.3	.		.		.	.	.	.	.	.	*	
11	AUG78	411 LN S	M	4	111	9.9	13.3	14.8		14.5	1	4.0	18	.3	17.	8	.	*	
11	AUG78	412 LN S	M	4	111	9.9	13.3	14.8		14.5	1	4.0	18	.3	17.	8	.	*	
11	AUG78	4130LOPM	N	4	111	.	292.6	293.4		.		.	.	.	.	.	.	*	
11	AUG78	414 PRTS		4	111	26.6	.	3.827	1	.184		.	33.	83	34.5	5	.	*	
11	AUG78	4113.3VV		4	210	.	.	.		.		.	.	.	.	.	.	*	
11	AUG78	42 1.6HH		4	210	.	.	.		.		.	.	.	.	.	.	*	
11	AUG78	43 1.6HV		4	210	.	.	.		.		.	.	.	.	.	.	*	
11	AUG78	44 .4HH		4	210	.	.	.		.		.	.	.	.	.	.	*	
11	AUG78	45 .4HV		4	210	.	.	.		.		.	.	.	.	.	.	*	
11	AUG78	464.75HH		4	210	.	.	.		.		.	.	.	.	.	.	*	
11	AUG78	474.75HV		4	210	.	.	.		.		.	.	.	.	.	.	*	
11	AUG78	48 M	A	4	211	.	.	.		.		.	.	.	.	.	29.07*	*	
11	AUG78	49HLHCVC		4	211	267.1	.	.		.		.	.	.	.	.	.	*	
11	AUG78	410FLD S	M	4	210	9.9	13.3	.		.		.	.	.	.	.	.	*	
11	AUG78	411 LN S	M	4	212	9.9	13.3	14.8		14.5	1	4.0	18	.3	17.	8	.	*	
11	AUG78	412 LN S	M	4	212	9.9	13.3	14.8		14.5	1	4.0	18	.3	17.	8	.	*	
11	AUG78	4130LOPM	N	4	212	276.7	.	.		.		.	.	.	.	.	.	*	
11	AUG78	414 PRTS		4	212	27.9	.	.		.		33.	83	34.5	5		.	*	
14	AUG78	5113.3VV		4	113	3.70	-1.00	-5.80	-	6.20	-7	.20	-11.	00	.	.	.	*	
14	AUG78	52 1.6HH		4	113	-5.60	-11.00	-13.70	-1	5.60	-17	.60	-19.	70	.	.	.	*	
14	AUG78	53 1.6HV		4	113	-19.10	-21.60	-21.80	-2	3.10	-25	.40	-25.	40	.	.	.	*	
14	AUG78	54 .4HH		4	113	-11.87	-16.04	-20.58	-2	4.02	-28	.37	-33.	34	.	.	.	*	
14	AUG78	55 .4HV		4	113	-21.14	-25.34	-29.80	-3	2.80	-38	.10	-43.	00	.	.	.	*	
14	AUG78	564.75HH		4	111	8.15	2.29	-1.54	-	4.82	-6	.53	.	.	.	.	.	*	
14	AUG78	574.75HV		4	111	-4.62	-5.95	-13.34	-1	4.31	-16	.67	.	.	.	.	.	*	
14	AUG78	58 M	A	4	111	.	0.75	0.43		1.97	7	.94	.	.	.	.	24.44*	*	
14	AUG78	59HLHCVC		4	113	.	271.1	277.5		.		.	.	.	.	.	.	*	
14	AUG78	510FLD S	M	4	110	20.5	21.4	.		.		.	.	.	.	.	.	*	
14	AUG78	511 LN S	M	4	111	20.5	21.4	21.5		20.5	2	0.6	20	.2	17.	6	.	*	
14	AUG78	512 LN S	M	4	111	20.5	21.4	21.5		20.5	2	0.6	20	.2	17.	6	.	*	
14	AUG78	5130LOPM	N	4	113	.	274.5	277.7		.		.	.	.	.	.	.	*	
14	AUG78	514 PRTS		4	113	24.1	.	3.820	1	.182		.	33.	83	34.5	5	.	*	
14	AUG78	5113.3VV		4	210	.	.	.		.		.	.	.	.	.	.	*	



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2	AUG78	15 .4HV	6	212	-23.70	-30.10	-33.20	-3	5.50	-38	.70	-43.	00	-44.9	0	-46.80*
2	AUG78	164.75HH	6	212	5.42	0.44	-4.41	-	7.25	-8	.81	-12.	74	-13.4	4	.
2	AUG78	174.75HV	6	212	-5.67	-10.04	15.58	-1	8.57	-20	.69	-25.	47	-25.2	6	.
2	AUG78	18 H	B	6	211	.	.	.	.	.	.	.	.	.	.	27.15*
2	AUG78	19HLHCVC	6	212	273.5	.	.	.	.	.	.	.	.	.	.	.
2	AUG78	110FLD S	M	6	210	3.3	4.1	.	.	.	.	.	.	.	.	.
2	AUG78	111 LN S	M	6	212	3.0	4.0	7.3	16.2	1	1.1	17	.5	18.	3	.
2	AUG78	112 LN S	M	6	212	3.0	4.0	7.3	16.2	1	1.1	17	.5	18.	3	.
2	AUG78	113OLDPH	C	6	212	278.1	.	.	.	.	.	.	.	.	.	.
2	AUG78	114 PRTS	6	212	28.7	.	.	.	.	.	.	40.	04	41.4	2	.
5	AUG78	2113.3VV	6	111	3.20	0.10	-4.30	-1	7.90	-7	.50	-12.	60	-14.1	0	-14.60*
5	AUG78	22 1.6HH	6	111	-5.50	-9.50	11.60	-1	3.30	-15	.90	-19.	20	-21.9	0	-22.60*
5	AUG78	23 1.6HV	6	111	-18.50	-18.50	20.90	-2	1.30	-22	.10	-23.	70	-24.5	0	-25.40*
5	AUG78	24 .4HH	6	111	-13.60	-18.00	21.30	-2	5.30	-28	.20	-37.	50	-37.1	0	-38.20*
5	AUG78	25 .4HV	6	111	-24.40	-28.70	34.40	-3	6.40	-40	.60	-48.	60	-49.4	0	-47.70*
5	AUG78	264.75HH	6	111	5.32	0.24	-4.64	-	8.24	-9	.40	-12.	07	-13.7	5	-15.40*
5	AUG78	274.75HV	6	111	-4.55	-8.81	16.45	-1	8.82	-21	.08	-24.	84	-24.0	2	-27.94*
5	AUG78	28 H	B	6	111	.	1.46	1.78	1.95	4	.22	.	.	.	.	19.65*
5	AUG78	29HLHCVC	6	111	.	261.6	265.1	.	.	.	.	.	.	.	.	.
5	AUG78	210FLD S	M	6	110	13.3	14.7	.	.	.	.	.	.	.	.	.
5	AUG78	211 LN S	M	6	111	13.0	14.6	12.4	15.7	1	4.1	18	.8	18.	8	.
5	AUG78	212 LN S	M	6	111	13.0	14.6	12.4	15.7	1	4.1	18	.8	18.	8	.
5	AUG78	213OLDPH	C	6	111	.	266.2	266.7	.	.	.	.	.	.	.	.
5	AUG78	214 PRTS	6	111	18.6	0.199	0.199	0	.952	-8	.	40.	04	41.4	2	.
5	AUG78	2113.3VV	6	212	2.10	-0.50	-5.70	-	8.80	-8	.80	-13.	70	-15.2	0	-15.30*
5	AUG78	22 1.6HH	6	210	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	23 1.6HV	6	210	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	24 .4HH	6	212	-10.80	-17.00	21.60	-2	4.70	-26	.70	-35.	20	-36.2	0	-36.50*
5	AUG78	25 .4HV	6	212	-23.70	-27.00	33.60	-3	6.00	-39	.90	-47.	80	-47.2	0	-47.80*
5	AUG78	264.75HH	6	210	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	274.75HV	6	210	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	28 H	B	6	211	.	.	.	.	.	.	.	.	.	.	19.65*
5	AUG78	29HLHCVC	6	212	249.7	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	210FLD S	M	6	210	13.3	14.7	.	.	.	.	.	.	.	.	.
5	AUG78	211 LN S	M	6	212	13.0	14.6	12.4	15.7	1	4.1	18	.8	18.	8	.
5	AUG78	212 LN S	M	6	212	13.0	14.6	12.4	15.7	1	4.1	18	.8	18.	8	.
5	AUG78	213OLDPH	C	6	212	254.5	.	.	.	.	.	.	.	.	.	.
5	AUG78	214 PRTS	6	212	21.3	.	.	.	.	.	.	40.	04	41.4	2	.
8	AUG78	3113.3VV	6	111	4.60	-0.40	-5.80	-1	8.70	-7	.40	-13.	40	-13.6	0	-14.20*
8	AUG78	32 1.6HH	6	111	-5.40	-9.90	12.60	-1	4.50	-16	.80	-19.	40	-21.7	0	-22.00*
8	AUG78	33 1.6HV	6	111	-20.30	-22.80	23.10	-2	4.00	-25	.70	-27.	50	-29.3	0	-28.80*
8	AUG78	34 .4HH	6	111	-11.88	-17.50	21.20	-2	4.50	-28	.00	-34.	80	-35.3	0	-35.80*
8	AUG78	35 .4HV	6	111	-21.70	-28.90	35.20	-4	1.40	-47	.60	-51.	30	-51.7	7	-52.00*
8	AUG78	364.75HH	6	110	14.50	8.80	4.80	-	1.50	-0	.80	-2.	70	-4.4	0	-7.10*
8	AUG78	374.75HV	6	110	14.90	3.70	0.90	-	0.30	-3	.60	-7.	00	-5.1	0	-8.10*
8	AUG78	38 H	B	6	111	.	1.50	1.75	1.90	4	.40	.	.	.	.	21.02*
8	AUG78	39HLHCVC	6	111	.	265.3	273.6	.	.	.	.	.	.	.	.	.
8	AUG78	310FLD S	M	6	110	6.1	10.0	.	.	.	.	.	.	.	.	.
8	AUG78	311 LN S	M	6	111	6.2	10.1	11.4	13.7	1	3.2	17	.9	19.	6	.
8	AUG78	312 LN S	M	6	111	6.2	10.1	11.4	13.7	1	3.2	17	.9	19.	6	.
8	AUG78	313OLDPH	C	6	111	.	274.5	274.9	.	.	.	.	.	.	.	.
8	AUG78	314 PRTS	6	111	19.6	0.333	0.333	0	.965	.	.	40.	04	41.4	2	.
8	AUG78	3113.3VV	6	210	.	.	.	.	.	.	.	.	.	.	.	.
8	AUG78	32 1.6HH	6	210	.	.	.	.	.	.	.	.	.	.	.	.
8	AUG78	33 1.6HV	6	210	.	.	.	.	.	.	.	.	.	.	.	.
8	AUG78	34 .4HH	6	210	.	.	.	.	.	.	.	.	.	.	.	.
8	AUG78	35 .4HV	6	210	.	.	.	.	.	.	.	.	.	.	.	.
8	AUG78	364.75HH	6	210	.	.	.	.	.	.	.	.	.	.	.	.
8	AUG78	374.75HV	6	210	.	.	.	.	.	.	.	.	.	.	.	.

6	AUG78	38 M	B	6	211	.	.	.	.	.	.	.	.	.	.	.	.	21.02*
8	AUG78	39HLHCVC		6	212	270.1	.	.	.	.	.	.	.	.	.	.	.	.
8	AUG78	310FLD S	N	6	210	6.1	10.0	.	.	.	.	.	.	.	.	.	.	.
8	AUG78	311 LN S	N	6	212	6.2	10.1	11.4	13.7	1	3.2	17	.9	19.	6	.	.	.
8	AUG78	312 LN S	N	6	212	6.2	10.1	11.4	13.7	1	3.2	17	.9	19.	6	.	.	.
8	AUG78	313OLDPH	C	6	212	276.9	.	.	.	.	.	.	.	.	.	.	.	.
8	AUG78	314 PRYS		6	212	20.9	.	.	.	.	.	40.	04	41.4	2	.	.	.
11	AUG78	4113.3VV		6	110	.	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	42 1.6HH		6	110	.	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	43 1.6HV		6	110	.	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	44 .4HH		6	110	.	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	45 .4HV		6	110	.	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	464.75HH		6	110	.	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	474.75HV		6	110	.	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	48 M	B	6	111	.	1.86	2.16	2.31	4	.90	.	.	.	.	.	.	38.85*
11	AUG78	49HLHCVC		6	111	.	286.5	290.5	.	.	.	.	.	.	.	.	.	.
11	AUG78	410FLD S	N	6	110	3.8	7.0	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	411 LN S	N	6	111	3.9	6.9	11.0	16.6	1	3.4	20	.0	20.	8	.	.	.
11	AUG78	412 LN S	N	6	111	3.9	6.9	11.0	16.6	1	3.4	20	.0	20.	8	.	.	.
11	AUG78	413OLDPH	C	6	111	.	291.0	291.8	.	.	.	.	.	.	.	.	.	.
11	AUG78	414 PRYS		6	111	36.0	.	0.122	.942	.	.	40.	04	41.4	2	.	.	.
11	AUG78	4113.3VV		6	210	.	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	42 1.6HH		6	210	.	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	43 1.6HV		6	210	.	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	44 .4HH		6	210	.	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	45 .4HV		6	210	.	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	464.75HH		6	210	.	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	474.75HV		6	210	.	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	48 M	B	6	211	.	.	.	.	.	.	.	.	.	.	.	.	38.85*
11	AUG78	49HLHCVC		6	212	.	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	410FLD S	N	6	210	3.8	7.0	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	411 LN S	N	6	212	3.9	6.9	11.0	16.6	1	3.4	20	.0	20.	8	.	.	.
11	AUG78	412 LN S	N	6	212	3.9	6.9	11.0	16.6	1	3.4	20	.0	20.	8	.	.	.
11	AUG78	413OLDPH	C	6	210	.	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	414 PRYS		6	212	37.9	.	.	.	.	.	40.	04	41.4	2	.	.	.
14	AUG78	5113.3VV		6	113	5.90	5.60	0.10	2.80	-3	.10	-8.	10	.	.	.	.	.
14	AUG78	52 1.6HH		6	113	-3.10	-6.80	-8.60	9.90	-11	.90	-16.	30	.	.	.	.	.
14	AUG78	53 1.6HV		6	113	-18.10	-19.20	-19.40	9.60	-20	.50	-22.	00	.	.	.	.	.
14	AUG78	54 .4HH		6	113	-11.56	-16.77	-20.05	3.45	-24	.54	-32.	78	.	.	.	.	.
14	AUG78	55 .4HV		6	113	-23.78	-26.41	-29.43	4.13	-37	.39	-43.	15	.	.	.	.	.
14	AUG78	564.75HH		6	111	11.92	5.57	0.74	2.66	-5	.20	.	.	.	.	.	.	.
14	AUG78	574.75HV		6	111	-1.42	-8.03	-13.06	3.72	-16	.24	.	.	.	.	.	.	24.07*
14	AUG78	58 M	B	6	111	.	1.28	1.57	1.66	3	.66	.	.	.	.	.	.	.
14	AUG78	59HLHCVC		6	113	.	241.4	246.7	.	.	.	.	.	.	.	.	.	.
14	AUG78	510FLD S	N	6	110	20.3	20.0	.	.	.	.	.	.	.	.	.	.	.
14	AUG78	511 LN S	N	6	111	20.1	20.1	18.3	16.7	1	9.6	18	.7	19.	8	.	.	.
14	AUG78	512 LN S	N	6	111	20.1	20.1	18.3	16.7	1	9.6	18	.7	19.	8	.	.	.
14	AUG78	513OLDPH	C	6	113	.	240.0	241.1	.	.	.	.	.	.	.	.	.	.
14	AUG78	514 PRYS		6	113	24.2	.	0.142	.942	.	.	40.	04	41.4	2	.	.	.
14	AUG78	5113.3VV		6	212	5.60	5.70	0.40	2.70	-2	.50	-8.	20	-9.4	0	-10.10*	.	.
14	AUG78	52 1.6HH		6	210	.	.	.	.	.	.	.	.	.	.	.	.	.
14	AUG78	53 1.6HV		6	210	.	.	.	.	.	.	.	.	.	.	.	.	.
14	AUG78	54 .4HH		6	212	-11.70	-17.00	-21.50	5.20	-26	.36	-32.	40	-32.8	0	-34.40*	.	.
14	AUG78	55 .4HV		6	212	-23.50	-27.30	-32.10	5.00	-38	.50	-44.	10	-42.7	0	-44.70*	.	.
14	AUG78	564.75HH		6	210	.	.	.	.	.	.	.	.	.	.	.	.	.
14	AUG78	574.75HV		6	210	.	.	.	.	.	.	.	.	.	.	.	.	.
14	AUG78	58 M	B	6	211	.	.	.	.	.	.	.	.	.	.	.	.	24.07*
14	AUG78	59HLHCVC		6	212	239.5	.	.	.	.	.	.	.	.	.	.	.	.
14	AUG78	510FLD S	N	6	210	20.3	20.0	.	.	.	.	.	.	.	.	.	.	.

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14	AUG78	511 LN S	R	6	212	19.2	19.7	17.7	16.7	1	8.4	18	.3	19.	7	*
14	AUG78	512 LN S	M	6	212	19.2	19.7	17.7	16.7	1	8.4	18	.3	19.	7	*
14	AUG78	513OLDPM	C	6	212	240.3	.	.	.	.	.	.	.	.	.	*
14	AUG78	514 PRTS	C	6	212	23.4	.	.	.	.	.	40.	04	41.4	2	*
17	AUG78	6113.3VV	6	111	2.90	0.30	-4.00	-	8.50	-8	.90	-12.	70	-14.0	0	-14.20*
17	AUG78	62 1.6HH	6	111	-7.90	-11.30	-	-1	4.40	-17	.20	-19.	20	-21.1	0	-23.10*
17	AUG78	63 1.6HV	6	111	-15.90	-20.30	-	-2	3.60	-26	.90	-28.	50	-29.6	0	-30.90*
17	AUG78	64 .4HH	6	111	-11.83	-17.18	-	-2	4.28	-24	.21	-31.	80	-32.5	0	-34.50*
17	AUG78	65 .4HV	6	111	-23.70	-27.35	-	-3	4.00	-38	.80	-47.	60	-46.6	0	-47.00*
17	AUG78	664.75HH	6	111	7.07	1.47	-4.23	-	8.32	-10	.21	-15.	24	-17.3	4	-17.93*
17	AUG78	674.75HV	6	111	-4.26	-9.76	-	-7	0.12	-21	.79	-26.	71	-28.1	5	-29.58*
17	AUG78	68 M	B	6	111	.	1.74	2.05	2.19	4	.70	.	.	.	.	28.84*
17	AUG78	69HLHCVC	6	111	.	280.0	284.5	.	.	.	.	.	.	.	.	*
17	AUG78	610FLD S	M	6	110	5.3	12.5	.	.	.	.	.	.	.	.	*
17	AUG78	611 LN S	M	6	111	5.7	12.6	15.7	16.7	1	5.0	17	.8	17.	0	*
17	AUG78	612 LN S	M	6	111	5.7	12.6	15.7	16.7	1	5.0	17	.8	17.	0	*
17	AUG78	613OLDPM	C	6	111	.	285.4	286.5	.	.	.	.	.	.	.	*
17	AUG78	614 PRTS	C	6	111	27.3	0.143	0.143	9.45	.	.	40.	04	41.4	2	*
17	AUG78	6113.3VV	6	212	3.50	-0.10	-4.20	-	9.00	-9	.10	-13.	40	-14.6	0	-15.30*
17	AUG78	62 1.6HH	6	210	.	.	.	.	.	.	.	.	.	.	.	*
17	AUG78	63 1.6HV	6	210	.	.	.	.	.	.	.	.	.	.	.	*
17	AUG78	64 .4HH	6	212	-10.70	-15.40	-	-2	0.10	-22	.10	-30.	40	-32.7	0	-33.70*
17	AUG78	65 .4HV	6	212	-22.70	-26.80	-	-3	3.10	-37	.60	-46.	90	-47.1	0	-47.40*
17	AUG78	664.75HH	6	210	.	.	.	.	.	.	.	.	.	.	.	*
17	AUG78	674.75HV	6	210	.	.	.	.	.	.	.	.	.	.	.	*
17	AUG78	68 M	B	6	211	.	.	.	.	.	.	.	.	.	.	28.84*
17	AUG78	69HLHCVC	6	212	282.6	.	.	.	.	.	.	.	.	.	.	*
17	AUG78	610FLD S	M	6	210	5.3	12.5	.	.	.	.	.	.	.	.	*
17	AUG78	611 LN S	M	6	212	6.0	12.6	15.9	16.8	1	5.5	18	.9	16.	6	*
17	AUG78	612 LN S	M	6	212	6.0	12.6	15.9	16.8	1	5.5	18	.9	16.	6	*
17	AUG78	613OLDPM	C	6	212	250.1	.	.	.	.	.	.	.	.	.	*
17	AUG78	614 PRTS	C	6	212	30.7	.	.	.	.	.	40.	04	41.4	2	*
2	AUG78	1113.3VV	7	111	-0.40	-3.60	-6.50	-	9.40	-9	.00	-11.	50	.	.	*
2	AUG78	12 1.6HH	7	111	-8.90	-13.30	-	-1	8.70	-21	.50	-23.	50	.	.	*
2	AUG78	13 1.6HV	7	111	-19.30	-22.30	-	-2	5.90	-26	.90	-28.	80	.	.	*
2	AUG78	14 .4HH	7	111	-16.00	-19.00	-	-2	2.80	-26	.30	-32.	20	.	.	*
2	AUG78	15 .4HV	7	111	-26.30	-29.40	-	-3	7.20	-40	.10	-48.	50	.	.	*
2	AUG78	164.75HH	7	110	.	.	.	.	.	.	.	.	.	.	.	*
2	AUG78	174.75HV	7	110	.	.	.	.	.	.	.	.	.	.	.	*
2	AUG78	18 M	L	7	111	.	1.72	1.75	2.26	5	.56	.	.	.	.	25.43*
2	AUG78	19HLHCVC	7	111	.	277.8	281.3	.	.	.	.	.	.	.	.	*
2	AUG78	110FLD S	M	7	110	5.2	9.9	.	.	.	.	.	.	.	.	*
2	AUG78	111 LN S	M	7	111	5.2	9.9	13.6	16.1	1	3.9	19	.2	21.	2	*
2	AUG78	112 LN S	M	7	111	5.2	9.9	13.6	16.1	1	3.9	19	.2	21.	2	*
2	AUG78	113OLDPM	U	7	111	.	281.6	281.3	.	.	.	.	.	.	.	*
2	AUG78	114 PRTS	7	111	24.1	0.965	0.965	1	.011	.	.	45.	28	36.1	1	*
2	AUG78	1113.3VV	7	212	0.50	-3.40	-7.90	-	9.20	-8	.40	-12.	20	-12.5	0	*
2	AUG78	12 1.6HH	7	210	.	.	.	.	.	.	.	.	.	.	.	*
2	AUG78	13 1.6HV	7	210	.	.	.	.	.	.	.	.	.	.	.	*
2	AUG78	14 .4HH	7	212	-13.80	-16.30	-	-1	8.90	-24	.90	-29.	50	-29.6	0	*
2	AUG78	15 .4HV	7	212	-26.50	-28.50	-	-3	5.90	-40	.20	-47.	60	-44.8	0	*
2	AUG78	164.75HH	7	212	4.08	-1.70	-5.30	-	8.37	-10	.12	-12.	63	-12.9	6	*
2	AUG78	174.75HV	7	212	-6.80	-9.75	-	-1	7.77	-19	.24	-21.	38	-20.5	4	*
2	AUG78	18 M	L	7	211	.	.	.	.	.	.	.	.	.	.	25.43*
2	AUG78	19HLHCVC	7	212	274.4	.	.	.	.	.	.	.	.	.	.	*
2	AUG78	110FLD S	M	7	210	5.2	9.9	.	.	.	.	.	.	.	.	*
2	AUG78	111 LN S	M	7	212	5.2	9.9	13.6	16.1	1	3.9	19	.2	21.	2	*
2	AUG78	112 LN S	M	7	212	5.2	9.9	13.6	16.1	1	3.9	19	.2	21.	2	*
2	AUG78	113OLDPM	U	7	212	280.3	.	.	.	.	.	.	.	.	.	*

ALL INFORMATION CONTAINED  
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11	AUG78	43	1.6HV	7	111	-17.90	-21.10	21.60	-2	1.50	-21	.80	-22.	90	-23.7	0	-24.00*
11	AUG78	44	.4HH	7	111	-12.43	-20.60	24.50	-2	4.90	-26	.80	-53.	20	-33.6	0	-36.20*
11	AUG78	45	.4HV	7	111	-22.60	-30.10	33.50	-3	5.30	-39	.30	-44.	00	-44.2	0	-44.00*
11	AUG78	464.75HH	7	110	19.00	13.50	9.00	6.70	4	.50	1.	60	1.7	0	-0.30*		
11	AUG78	474.75HV	7	110	12.60	7.80	3.50	3.20	2	.00	-0.	80	-0.9	0	-3.60*		
11	AUG78	48 M	L	7	111	.	1.38	1.33	1.91	4	.85	.	.	.	.	28.56*	
11	AUG78	49HLHCVC	7	111	.	244.8	246.3	.	.	.	.	.	.	.	.	.	
11	AUG78	410FLD S	M	7	110	18.8	22.3	.	.	.	.	.	.	.	.	.	
11	AUG78	411 LN S	M	7	111	18.8	22.3	23.2	23.9	2	2.5	21	.1	22.	2	.	
11	AUG78	412 LN S	M	7	111	18.8	22.3	23.2	23.9	2	2.5	21	.1	22.	2	.	
11	AUG78	413OLDPM	U	7	111	.	254.3	252.7	.	.	.	.	.	.	.	.	
11	AUG78	414 PRTS	7	111	26.0	.	1.074	1	.034	.	45.	28	36.1	1	.	.	
11	AUG78	4113.3VV	7	210	.	.	.	.	.	.	.	.	.	.	.	.	
11	AUG78	42 1.6HH	7	210	.	.	.	.	.	.	.	.	.	.	.	.	
11	AUG78	43 1.6HV	7	210	.	.	.	.	.	.	.	.	.	.	.	.	
11	AUG78	44 .4HH	7	210	.	.	.	.	.	.	.	.	.	.	.	.	
11	AUG78	45 .4HV	7	210	.	.	.	.	.	.	.	.	.	.	.	.	
11	AUG78	464.75HH	7	210	.	.	.	.	.	.	.	.	.	.	.	.	
11	AUG78	474.75HV	7	210	.	.	.	.	.	.	.	.	.	.	.	.	
11	AUG78	48 M	L	7	211	.	.	.	.	.	.	.	.	.	.	28.56*	
11	AUG78	49HLHCVC	7	212	246.0	.	.	.	.	.	.	.	.	.	.	.	
11	AUG78	410FLD S	M	7	210	18.8	22.3	.	.	.	.	.	.	.	.	.	
11	AUG78	411 LN S	M	7	212	18.8	22.3	23.2	23.9	2	2.5	21	.1	22.	2	.	
11	AUG78	412 LN S	M	7	212	18.8	22.3	23.2	23.9	2	2.5	21	.1	22.	2	.	
11	AUG78	413OLDPM	U	7	212	257.1	.	.	.	.	.	.	.	.	.	.	
11	AUG78	414 PRTS	7	212	27.5	.	.	.	.	.	45.	28	36.1	1	.	.	
14	AUG78	5113.3VV	7	113	1.80	-1.30	-5.30	8.10	-7	.60	-11.	60	.	.	.	.	
14	AUG78	52 1.6HH	7	113	-5.50	-12.10	-15.70	8.20	-19	.40	-21.	80	.	.	.	.	
14	AUG78	53 1.6HV	7	113	-20.10	-23.20	-24.10	4.20	-25	.60	-27.	90	.	.	.	.	
14	AUG78	54 .4HH	7	113	-10.70	-15.40	-18.73	8.70	-24	.35	-33.	68	.	.	.	.	
14	AUG78	55 .4HV	7	113	-24.30	-28.90	-32.00	3.00	-37	.90	-42.	80	.	.	.	.	
14	AUG78	564.75HH	7	111	5.01	-1.07	-5.46	8.38	-9	.77	.	.	.	.	.	.	
14	AUG78	574.75HV	7	111	-4.05	-10.03	-15.47	5.93	-19	.39	.	.	.	.	.	.	
14	AUG78	58 M	L	7	111	.	1.26	1.18	1.78	4	.83	.	.	.	.	26.83*	
14	AUG78	59HLHCVC	7	113	.	280.2	283.8	.	.	.	.	.	.	.	.	.	
14	AUG78	510FLD S	M	7	110	7.6	14.0	.	.	.	.	.	.	.	.	.	
14	AUG78	511 LN S	M	7	111	7.7	14.3	18.8	20.4	1	8.0	21	.5	22.	6	.	
14	AUG78	512 LN S	M	7	111	7.7	14.3	18.8	20.4	1	8.0	21	.5	22.	6	.	
14	AUG78	513OLDPM	U	7	113	.	285.0	284.9	.	.	.	.	.	.	.	.	
14	AUG78	514 PRTS	7	113	29.0	.	1.240	1	.052	.	45.	28	36.1	1	.	.	
14	AUG78	5113.3VV	7	212	2.60	-1.20	-5.40	8.20	-6	.60	-10.	50	-10.8	0	-11.10*		
14	AUG78	52 1.6HH	7	210	.	.	.	.	.	.	.	.	.	.	.	.	
14	AUG78	53 1.6HV	7	210	.	.	.	.	.	.	.	.	.	.	.	.	
14	AUG78	54 .4HH	7	212	-15.10	-18.20	-21.10	2.50	-25	.40	-29.	80	-31.8	0	-34.10*		
14	AUG 8	55 .4HV	7	212	-25.80	-28.40	-31.80	4.20	-37	.30	-43.	50	-42.0	0	-44.10*		
14	AUG78	564.75HH	7	210	.	.	.	.	.	.	.	.	.	.	.	.	
14	AUG78	574.75HV	7	210	.	.	.	.	.	.	.	.	.	.	.	.	
14	AUG78	58 M	L	7	211	.	.	.	.	.	.	.	.	.	.	26.83*	
14	AUG78	59HLHCVC	7	212	274.5	.	.	.	.	.	.	.	.	.	.	.	
14	AUG78	510FLD S	M	7	210	7.6	14.0	.	.	.	.	.	.	.	.	.	
14	AUG78	511 LN S	M	7	212	7.6	14.0	18.5	20.2	1	7.7	21	.0	22.	8	.	
14	AUG78	512 LN S	M	7	212	7.6	14.0	18.5	20.2	1	7.7	21	.0	22.	8	.	
14	AUG78	513OLDPM	U	7	212	281.6	.	.	.	.	.	.	.	.	.	.	
14	AUG78	514 PRTS	7	212	25.9	.	.	.	.	.	45.	28	36.1	1	.	.	
17	AUG78	6113.3VV	7	111	1.40	-1.50	-4.90	8.30	-7	.60	-10.	30	-11.0	0	-10.50*		
17	AUG78	62 1.6HH	7	111	-6.50	-10.70	-14.90	6.30	-18	.20	-20.	20	-20.6	0	-22.10*		
17	AUG78	63 1.6HV	7	111	-16.70	-20.10	-22.70	2.40	-23	.90	-24.	70	-24.4	0	-25.20*		
17	AUG78	64 .4HH	7	111	-14.16	-17.02	-19.85	8.68	-22	.22	-30.	53	-31.4	0	-34.57*		
17	AUG78	65 .4HV	7	111	-25.00	-26.90	-31.70	2.70	-36	.80	-41.	90	-39.9	0	-41.00*		

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17	AUG78	624.75HH	7	111	4.98	-0.33	-4.95	-	8.64	-10	.37	-12.	58	-1.6	2	-15.95*
17	AUG78	674.75HV	7	111	-4.19	-9.60	14.34	-1	6.98	-17	.85	-21.	33	-22.3	9	-23.78*
17	AUG78	68 M	L	7	111	.	1.39	1.30	2.06	5	.65	.	.	.	.	27.73*
17	AUG78	69HLHCVC	7	111	.	279.2	222.8	.	.	.	.	.	.	.	.	.
17	AUG78	610FLD S	M	7	110	4.5	10.9	.	.	.	.	.	.	.	.	.
17	AUG78	611 LN S	M	7	111	4.5	10.9	16.1	18.3	1	5.6	19	.1	21.	6	.
17	AUG78	612 LN S	M	7	111	4.5	10.9	16.1	18.3	1	5.6	19	.1	21.	6	.
17	AUG78	6130LDPH	U	7	111	.	284.0	284.7	.	.	.	.	.	.	.	.
17	AUG78	614 PRT5	7	111	26.5	.	1.545	1	.061	.	45.	28	36.1	1	.	.
17	AUG78	6113.3VV	7	212	1.10	-1.70	-4.80	-	7.70	-7	.10	-9.	40	-10.5	0	-10.60*
17	AUG78	62 1.6HH	7	210	.	.	.	.	.	.	.	.	.	.	.	.
17	AUG78	63 1.6HV	7	210	.	.	.	.	.	.	.	.	.	.	.	.
17	AUG78	64 .4HH	7	212	-11.60	-14.70	18.40	-1	6.10	-20	.30	-27.	90	-29.9	0	-31.80*
17	AUG78	65 .4HV	7	212	-24.80	-26.80	30.40	-3	1.80	-36	.10	-40.	80	-39.6	0	-38.40*
17	AUG78	664.75HH	7	210	.	.	.	.	.	.	.	.	.	.	.	.
17	AUG78	674.75HV	7	210	.	.	.	.	.	.	.	.	.	.	.	.
17	AUG78	68 M	L	7	211	.	.	.	.	.	.	.	.	.	.	27.73*
17	AUG78	69HLHCVC	7	212	282.3	.	.	.	.	.	.	.	.	.	.	.
17	AUG78	610FLD S	M	7	210	4.5	10.9	.	.	.	.	.	.	.	.	.
17	AUG78	611 LN S	M	7	212	4.5	11.3	16.5	19.5	1	6.0	20	.4	23.	5	.
17	AUG78	612 LN S	M	7	212	4.5	11.3	16.5	19.5	1	6.0	20	.4	23.	5	.
17	AUG78	6130LDPH	U	7	212	290.1	.	.	.	.	.	.	.	.	.	.
17	AUG78	614 PRT5	7	212	29.5	.	.	.	.	.	45.	28	36.1	1	.	.
2	AUG78	1113.3VV	8	111	-0.70	-2.70	-5.30	-	7.80	-6	.50	-8.	90	.	.	.
2	AUG78	12 1.6HH	8	111	-12.80	-16.30	17.70	-1	8.00	-18	.80	-19.	80	.	.	.
2	AUG78	13 1.6HV	8	111	-18.90	-20.80	21.00	-2	0.10	-20	.30	-21.	40	.	.	.
2	AUG78	14 .4HH	8	111	-20.10	-23.60	25.80	-2	7.20	-29	.20	-34.	50	.	.	.
2	AUG78	15 .4HV	8	111	-28.50	-32.80	32.70	-3	1.90	-33	.80	-37.	90	.	.	.
2	AUG78	164.75HH	8	110	.	.	.	.	.	.	.	.	.	.	.	.
2	AUG78	174.75HV	8	110	.	.	.	.	.	.	.	.	.	.	.	.
2	AUG78	18 M	L	8	111	.	1.04	0.92	1.55	5	.51	.	.	.	.	25.64*
2	AUG78	19HLHCVC	8	111	.	280.6	284.1	.	.	.	.	.	.	.	.	.
2	AUG78	110FLD S	M	8	110	2.3	3.9	.	.	.	.	.	.	.	.	.
2	AUG78	111 LN S	M	8	111	2.3	3.9	6.3	10.6	9.0	16	.3	17.	7	.	.
2	AUG78	112 LN S	M	8	111	2.3	3.9	6.3	10.6	9.0	16	.3	17.	7	.	.
2	AUG78	1130LDPH	W	8	111	.	284.8	285.0	.	.	.	.	.	.	.	.
2	AUG78	114 PRT5	8	111	23.7	.	1.917	1	.102	.	40.	57	34.5	2	.	.
2	AUG78	1113.3VV	8	212	-0.60	-2.50	-5.20	-	7.70	-6	.80	-10.	20	-10.6	0	-10.60*
2	AUG78	12 1.6HH	8	210	.	.	.	.	.	.	.	.	.	.	.	.
2	AUG78	13 1.6HV	8	210	.	.	.	.	.	.	.	.	.	.	.	.
2	AUG78	14 .4HH	8	212	-16.40	-21.30	22.70	-2	5.60	-26	.30	-32.	20	-30.8	0	-29.70*
2	AUG78	15 .4HV	8	212	-28.80	-32.00	31.10	-3	0.60	-31	.70	-34.	70	-35.4	0	-34.20*
2	AUG78	164.75HH	8	212	4.95	6.00	-3.11	-	6.02	-6	.86	-8.	55	-8.3	6	-11.15*
2	AUG78	174.75HV	8	212	-4.82	-8.95	12.94	-1	4.17	-15	.53	-19.	13	-19.0	6	-21.22*
2	AUG78	18 M	L	8	211	.	.	.	.	.	.	.	.	.	.	25.64*
2	AUG78	19HLHCVC	8	212	275.0	.	.	.	.	.	.	.	.	.	.	.
2	AUG78	110FLD S	M	8	210	2.3	3.9	.	.	.	.	.	.	.	.	.
2	AUG78	111 LN S	M	8	212	2.3	3.9	6.3	10.6	9.0	16	.3	17.	7	.	.
2	AUG78	112 LN S	M	8	212	2.3	3.9	6.3	10.6	9.0	16	.3	17.	7	.	.
2	AUG78	1130LDPH	W	8	212	280.5	.	.	.	.	.	.	.	.	.	.
2	AUG78	114 PRT5	8	212	26.0	.	.	.	.	.	40.	57	34.5	2	.	.
5	AUG78	2113.3VV	8	111	-0.10	-2.60	-5.80	-	7.90	-6	.40	-10.	60	-11.4	0	-11.60*
5	AUG78	22 1.6HH	8	111	-11.70	-14.90	17.10	-1	7.10	-18	.70	-21.	00	-22.6	0	-22.50*
5	AUG78	23 1.6HV	8	111	-17.90	-18.50	18.90	-1	9.10	-19	.80	-20.	50	-22.1	0	-21.50*
5	AUG78	24 .4HH	8	111	-17.20	-22.50	27.00	-2	9.10	-31	.40	-36.	40	-36.2	0	-36.00*
5	AUG78	25 .4HV	8	111	-28.40	-32.80	35.00	-3	5.70	-37	.20	-39.	60	-36.7	0	-36.60*
5	AUG78	264.75HH	8	111	1.68	-2.98	-7.47	-	9.75	-10	.03	-11.	88	-12.7	0	-14.75*
5	AUG78	274.75HV	8	111	-4.74	-8.63	15.06	-1	5.97	-17	.75	-20.	48	-21.1	1	-22.84*
5	AUG78	28 M	L	8	111	.	1.01	0.91	1.65	5	.26	.	.	.	.	20.04*

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5	AUG78	29HLHCVC	8	111	.	268.0	271.0	.	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	210FLD S	M	8	110	8.1	8.6	.	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	211 LN S	M	8	111	7.2	8.7	8.1	11.1	1	0.1	18	.6	19.	5	.	.	.	.	
5	AUG78	212 LN S	M	8	111	7.2	8.7	8.1	11.1	1	0.1	18	.6	19.	5	.	.	.	.	
5	AUG78	213OLDPH	W	8	111	.	272.9	272.4	.	.	.	.	.	.	.	.	.	.	.	
5	AUG78	214 PRTS	8	111	19.4	1.793	1	.798	.	.	.	40.	57	34.5	2	.	.	.	.	
5	AUG78	2113.3VV	8	212	3.40	-3.30	-	5.90	-4	.30	-9.	00	-9.9	0	-10.40*	.	.	.	.	
5	AUG78	22 1.6HH	8	210	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
5	AUG78	23 1.6HV	8	210	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
5	AUG78	24 .4HH	8	212	-14.50	-20.80	-	23.60	-2	7.10	-30	.80	-34.	60	-34.3	0	-33.80*	.	.	
5	AUG78	25 .4HV	8	212	-28.50	-31.20	-	34.10	-3	3.30	-33	.50	-35.	80	-36.0	0	-34.10*	.	.	
5	AUG78	264.75HH	8	210	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
5	AUG78	274.75HV	8	210	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
5	AUG78	28 M	L	8	211	.	.	.	.	.	.	.	.	.	.	.	.	.	20.04*	
5	AUG78	29HLHCVC	8	212	259.6	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
5	AUG78	210FLD S	M	8	210	8.1	8.6	.	.	.	.	.	.	.	.	.	.	.	.	
5	AUG78	211 LN S	M	8	212	8.1	8.6	8.6	12.5	1	0.2	17	.5	18.	8	.	.	.	.	
5	AUG78	212 LN S	M	8	212	8.1	8.6	8.6	12.5	1	0.2	17	.5	18.	8	.	.	.	.	
5	AUG78	213OLDPH	W	8	212	265.2	.	.	.	.	.	.	.	.	.	.	.	.	.	
5	AUG78	214 PRTS	8	212	20.7	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
5	AUG78	3113.3VV	8	111	-0.30	-2.80	-	6.00	-	9.20	-7	.70	40.	57	34.5	2	.	.	.	
5	AUG78	32 1.6HH	8	111	-9.00	-12.20	-	14.90	-1	5.00	-17	.30	-11.	20	-12.5	0	-12.20*	.	.	
5	AUG78	33 1.6HV	8	111	-20.20	-20.70	-	20.10	-2	9.00	-19	.90	-21.	30	-22.4	0	-22.80*	.	.	
5	AUG78	34 .4HH	8	111	-15.70	-20.00	-	24.60	-2	5.30	-28	.80	-34.	60	-33.7	0	-33.50*	.	.	
5	AUG78	35 .4HV	8	111	-27.30	-33.60	-	32.50	-3	3.90	-36	.00	-39.	30	-38.2	0	-36.80*	.	.	
5	AUG78	364.75HH	8	110	11.30	7.30	.	4.10	.	1.00	.	.60	-1.	50	-3.1	0	-4.00*	.	.	
5	AUG78	374.75HV	8	110	14.90	11.60	.	7.00	.	6.00	3	.80	0.	10	-0.3	0	-2.80*	.	.	
5	AUG78	38 M	L	8	111	.	0.90	0.80	1.50	5	.25	.	.	.	.	.	.	.	20.44*	
5	AUG78	39HLHCVC	8	111	.	266.9	270.1	.	.	.	.	.	.	.	.	.	.	.	.	
5	AUG78	310FLD S	M	8	110	5.0	6.4	.	.	.	.	.	.	.	.	.	.	.	.	
5	AUG78	311 LN S	M	8	111	4.8	6.8	8.9	12.3	1	0.9	17	.3	18.	2	.	.	.	.	
5	AUG78	312 LN S	M	8	111	4.8	6.8	8.9	12.3	1	0.9	17	.3	18.	2	.	.	.	.	
5	AUG78	313OLDPH	W	8	111	.	272.3	272.6	.	.	.	.	.	.	.	.	.	.	.	
5	AUG78	314 PRTS	8	111	19.1	1.917	1	.112	.	.	.	.	.	.	.	.	.	.	.	
5	AUG78	3113.3VV	8	212	-0.50	-2.20	-	5.80	-	9.10	-8	.30	-11.	70	-11.8	0	-11.80*	.	.	
5	AUG78	32 1.6HH	8	210	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
5	AUG78	33 1.6HV	8	210	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
5	AUG78	34 .4HH	8	212	-18.80	-22.20	-	24.30	-2	6.20	-28	.60	-34.	70	-32.4	0	-32.40*	.	.	
5	AUG78	35 .4HV	8	212	-28.90	-30.70	-	32.90	-3	4.30	-37	.20	-38.	00	-38.3	0	-36.90*	.	.	
5	AUG78	364.75HH	8	210	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
5	AUG78	374.75HV	8	210	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
5	AUG78	38 M	L	8	211	.	.	.	.	.	.	.	.	.	.	.	.	.	20.44*	
5	AUG78	39HLHCVC	8	212	264.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
5	AUG78	310FLD S	M	8	210	5.0	6.4	.	.	.	.	.	.	.	.	.	.	.	.	
5	AUG78	311 LN S	M	8	212	5.0	6.4	8.9	12.7	1	0.1	17	.5	18.	3	.	.	.	.	
5	AUG78	312 LN S	M	8	212	5.0	6.4	8.9	12.7	1	0.1	17	.5	18.	3	.	.	.	.	
5	AUG78	313OLDPH	W	8	212	270.3	.	.	.	.	.	.	.	.	.	.	.	.	.	
5	AUG78	314 PRTS	8	212	19.9	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
11	AUG78	4113.3VV	8	110	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
11	AUG78	42 1.6HH	8	110	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
11	AUG78	43 1.6HV	8	110	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
11	AUG78	44 .4HH	8	110	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
11	AUG78	45 .4HV	8	110	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
11	AUG78	464.75HH	8	110	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
11	AUG78	474.75HV	8	110	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
11	AUG78	48 M	L	8	111	.	1.21	1.11	1.84	5	.73	.	.	.	.	.	.	.	34.98*	
11	AUG78	49HLHCVC	8	111	.	285.8	288.7	.	.	.	.	.	.	.	.	.	.	.	.	
11	AUG78	410FLD S	M	8	110	8.5	9.5	.	.	.	.	.	.	.	.	.	.	.	.	
11	AUG78	411 LN S	M	8	111	8.5	9.5	11.0	14.2	1	4.1	19	.6	20.	0	.	.	.	.	

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11	AUG78	412 LN S	M	8	111	3.5	9.5	11.0	14.2	1	4.1	19	.6	20.	0	*	
11	AUG78	413OLDPH	W	8	111	.	290.4	290.0	.	.	.	.	.	.	.	*	
11	AUG78	414 PRTS	8	111	111	30.7	.	1.813	1	.084	.	40.	57	34.5	2	**	
11	AUG78	4113.3VV	8	212	212	-1.20	-2.50	-4.90	-	7.80	-5	.30	-9.	50	-9.6	0	-10.50*
11	AUG78	42 1.6HH	8	210	210	.	.	.	.	.	.	.	.	.	.	*	
11	AUG78	43 1.6HV	8	210	210	.	.	.	.	.	.	.	.	.	.	*	
11	AUG78	44 .4HH	8	212	212	-15.30	-19.30	-22.20	-2	3.90	-24	.80	-31.	00	-30.3	0	-30.20*
11	AUG78	45 .4HV	8	212	212	-27.90	-29.10	-30.50	-2	8.90	-31	.00	-33.	60	-33.3	0	-33.80*
11	AUG78	464.75HH	8	210	210	.	.	.	.	.	.	.	.	.	.	*	
11	AUG78	474.75HV	8	210	210	.	.	.	.	.	.	.	.	.	.	*	
11	AUG78	48 M	L	8	211	.	.	.	.	.	.	.	.	.	.	34.98*	
11	AUG78	49HLHCVC	8	212	212	278.7	.	.	.	.	.	.	.	.	.	*	
11	AUG78	510FLD S	M	8	210	2.5	9.5	11.0	14.2	1	4.1	19	.6	20.	0	*	
11	AUG78	511 LN S	M	8	212	8.5	9.5	11.0	14.2	1	4.1	19	.6	20.	0	*	
11	AUG78	512 LN S	M	8	212	8.5	9.5	11.0	14.2	1	4.1	19	.6	20.	0	*	
11	AUG78	513OLDPH	W	8	212	237.4	.	.	.	.	.	.	.	.	.	*	
11	AUG78	514 PRTS	8	212	212	32.6	.	.	.	.	.	40.	57	34.5	2	*	
14	AUG78	5113.3VV	8	113	113	0.10	-1.30	-4.40	-	5.50	-4	.80	-8.	40	.	.	*
14	AUG78	52 1.6HH	8	113	113	-11.70	-14.80	-16.20	-1	6.30	-17	.90	-19.	10	.	.	*
14	AUG78	53 1.6HV	8	113	113	-15.80	-20.20	-23.60	-1	9.70	-22	.20	-21.	80	.	.	*
14	AUG78	54 .4HH	8	113	113	-17.43	-21.90	-22.20	-2	3.80	-25	.60	-30.	90	.	.	*
14	AUG78	55 .4HV	8	113	113	-29.42	-30.10	-29.60	-2	9.70	-30	.40	-32.	70	.	.	*
14	AUG78	564.75HH	8	111	111	4.85	-0.58	-4.60	-	7.75	-9	.64	.	.	.	.	*
14	AUG78	574.75HV	8	111	111	-2.42	-8.06	-15.08	-1	6.03	-17	.86	.	.	.	.	*
14	AUG78	58 M	L	8	111	.	.	.	.	.	.	.	.	.	.	.	*
14	AUG78	59HLHCVC	8	113	113	.	285.0	289.2	.	.	.	.	.	.	.	.	*
14	AUG78	510FLD S	M	8	110	.	.	.	.	.	.	.	.	.	.	.	*
14	AUG78	511 LN S	M	8	111	4.9	6.5	8.3	11.9	1	0.6	18	.0	19.	3	.	*
14	AUG78	512 LN S	M	8	111	4.9	6.5	8.3	11.9	1	0.6	18	.0	19.	3	.	*
14	AUG78	513OLDPH	W	8	113	285.7	285.3	290.4	.	.	.	.	.	.	.	.	*
14	AUG78	514 PRTS	8	113	212	28.2	.	.	.	.	.	40.	57	34.5	2	.	*
14	AUG78	5113.3VV	8	212	212	1.40	-1.40	-4.50	-	6.40	-5	.20	-8.	50	-10.1	0	-10.70*
14	AUG78	52 1.6HH	8	210	210	.	.	.	.	.	.	.	.	.	.	.	*
14	AUG78	53 1.6HV	8	210	210	.	.	.	.	.	.	.	.	.	.	.	*
14	AUG78	54 .4HH	8	212	212	-17.10	-20.80	-24.10	-2	6.20	-28	.60	-31.	20	-31.5	0	-31.60*
14	AUG78	55 .4HV	8	212	212	-26.50	-31.10	-31.40	-3	1.20	-31	.80	-34.	70	-35.2	0	-33.10*
14	AUG78	564.75HH	8	210	210	.	.	.	.	.	.	.	.	.	.	.	*
14	AUG78	574.75HV	8	210	210	.	.	.	.	.	.	.	.	.	.	.	*
14	AUG78	58 M	L	8	211	.	.	.	.	.	.	.	.	.	.	.	*
14	AUG78	59HLHCVC	8	212	212	278.3	.	.	.	.	.	.	.	.	.	.	*
14	AUG78	510FLD S	M	8	210	.	.	.	.	.	.	.	.	.	.	.	*
14	AUG78	511 LN S	M	8	212	4.9	6.5	8.3	11.9	1	0.6	18	.0	19.	3	.	*
14	AUG78	512 LN S	M	8	212	4.9	6.5	8.3	11.9	1	0.6	18	.0	19.	3	.	*
14	AUG78	513OLDPH	W	8	212	285.7	.	.	.	.	.	.	.	.	.	.	*
14	AUG78	514 PRTS	8	212	212	27.0	.	.	.	.	.	40.	57	34.5	2	.	*
17	AUG78	6113.3VV	8	111	111	2.30	0.80	-2.10	-	5.60	-5	.10	-7.	90	-9.0	0	-8.80*
17	AUG78	62 1.6HH	8	111	111	-9.70	-11.10	-13.30	-1	4.00	-15	.00	-16.	90	-18.5	0	-18.90*
17	AUG78	63 1.6HV	8	111	111	-16.00	-17.70	-18.40	-1	7.00	-18	.40	-19.	12	-20.0	0	-21.30*
17	AUG78	64 .4HH	8	111	111	-15.70	-20.10	-23.00	-2	4.70	-28	.10	-32.	64	-33.5	4	-32.34*
17	AUG78	65 .4HV	8	111	111	-26.00	-29.00	-30.50	-2	9.80	-31	.50	-33.	20	-34.1	0	-34.00*
17	AUG78	664.75HH	8	111	111	5.30	0.42	-3.40	-	6.63	-7	.66	-11.	11	-11.8	2	-12.88*
17	AUG78	674.75HV	8	111	111	-3.72	-8.85	-12.34	-1	4.30	-15	.22	-18.	86	-18.9	3	-21.01*
17	AUG78	68 M	L	8	111	.	1.01	0.90	.	1.65	5	.42	.	.	.	.	28.29*
17	AUG78	69HLHCVC	8	111	111	.	276.3	279.4	.	.	.	.	.	.	.	.	*
17	AUG78	610FLD S	M	8	110	3.2	5.6	.	.	.	.	.	.	.	.	.	*
17	AUG78	611 LN S	M	8	111	3.2	5.6	7.5	11.0	.	9.6	16	.7	18.	1	.	*
17	AUG78	612 LN S	M	8	111	3.2	5.6	7.5	11.0	.	9.6	16	.7	18.	1	.	*
17	AUG78	613OLDPH	W	8	111	.	281.1	280.8	.	.	.	.	.	.	.	.	*
17	AUG78	614 PRTS	8	111	111	25.2	.	1.892	1	.102	.	40.	57	34.5	2	.	*

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17	AUG78	6113.3VV	8	212	1.30	-0.10	-2.50	6.10	-5	.10	-8.	50	-10.2	0	-10.30*
17	AUG78	62 1.6HH	8	210	.	.	.	.	.	.	.	.	.	.	*
17	AUG78	63 1.6HV	8	210	.	.	.	.	.	.	.	.	.	.	*
17	AUG78	64 .4HH	8	212	-14.90	-19.50	-23.60	3.70	-27	.30	-31.	10	-32.6	0	-30.70*
17	AUG78	65 .4HV	8	212	-25.50	-29.40	-31.00	8.40	-31	.50	-33.	50	-32.4	0	-33.00*
17	AUG78	664.75HH	8	210	.	.	.	.	.	.	.	.	.	.	*
17	AUG78	674.75HV	8	210	.	.	.	.	.	.	.	.	.	.	*
17	AUG78	68 M	L	211	.	.	.	.	.	.	.	.	.	.	28.28*
17	AUG78	69HLHCVC	8	212	220.9	.	.	.	.	.	.	.	.	.	*
17	AUG78	610FLD S	M	210	3.2	5.6	.	.	.	.	.	.	.	.	*
17	AUG78	611 LN S	M	212	3.2	5.6	7.5	11.0	.	9.6	16	.7	18.	1	*
17	AUG78	612 LN S	M	212	3.2	5.6	7.5	11.0	.	9.6	16	.7	18.	1	*
17	AUG78	613OLDPM	W	212	287.5	.	.	.	.	.	.	.	.	.	*
17	AUG78	614 PRT5	8	212	28.0	.	.	.	.	.	.	.	.	.	*
2	AUG78	1113.3VV	1A	111	-2.10	-3.10	-5.10	7.20	-6	.10	-8.	57	34.5	2	-9.00*
2	AUG78	12 1.6HH	1A	111	-11.60	-13.70	-14.40	4.30	-15	.80	-17.	70	-9.7	0	-18.60*
2	AUG78	13 1.6HV	1A	111	-18.70	-19.30	-20.00	9.60	-20	.30	-21.	50	-19.2	0	-22.50*
2	AUG78	14 .4HH	1A	111	-20.60	-24.10	-26.20	9.00	-31	.40	-35.	00	-21.6	0	-22.50*
2	AUG78	15 .4HV	1A	111	-25.60	-33.10	-35.20	5.80	-38	.70	-39.	60	-35.0	0	-34.10*
2	AUG78	164.75HH	1A	110	.	.	.	.	.	.	.	.	.	.	-38.00*
2	AUG78	174.75HV	1A	110	.	.	.	.	.	.	.	.	.	.	*
2	AUG78	18 M	L	1A	111	0.93	0.75	1.73	6	.07	.	.	.	.	24.62*
2	AUG78	19HLHCVC	1A	111	281.3	284.8	.	.	.	.	.	.	.	.	*
2	AUG78	110FLD S	M	1A	110	6.1	9.6	.	.	.	.	.	.	.	*
2	AUG78	111 LN S	M	1A	111	6.1	9.6	13.1	19.4	1	5.6	23	.1	23.	7
2	AUG78	112 LN S	M	1A	111	6.1	9.6	13.1	19.4	1	5.6	23	.1	23.	7
2	AUG78	113OLDPM	X	1A	111	285.6	285.8	.	.	.	.	.	.	.	*
2	AUG78	114 PRT5	1A	111	23.2	2.423	1	.131	.	.	45.	84	41.3	8	*
2	AUG78	1113.3VV	1A	212	-2.00	-2.60	-5.00	6.80	-6	.00	-9.	10	-10.4	0	*
2	AUG78	12 1.6HH	1A	210	.	.	.	.	.	.	.	.	.	.	*
2	AUG78	13 1.6HV	1A	210	.	.	.	.	.	.	.	.	.	.	*
2	AUG78	14 .4HH	1A	212	-17.50	-20.70	-22.20	5.10	-27	.48	-31.	30	-30.5	0	*
2	AUG78	15 .4HV	1A	212	-26.90	-29.60	-32.70	3.90	-34	.70	-37.	30	-37.2	0	*
2	AUG78	164.75	1A	212	3.81	-0.25	-3.41	5.20	-6	.73	-9.	41	-9.5	6	*
2	AUG78	174.75HV	1A	212	-6.24	-8.50	-12.47	2.79	-14	.53	-18.	33	-18.0	1	24.62*
2	AUG78	18 M	L	1A	211	.	.	.	.	.	.	.	.	.	*
2	AUG78	19HLHCVC	1A	212	277.9	.	.	.	.	.	.	.	.	.	*
2	AUG78	110FLD S	M	1A	210	6.1	9.6	.	.	.	.	.	.	.	*
2	AUG78	111 LN S	M	1A	212	6.1	9.6	13.1	19.4	1	5.6	23	.1	23.	7
2	AUG78	112 LN S	M	1A	212	6.1	9.6	13.1	19.4	1	5.6	23	.1	23.	7
2	AUG78	113OLDPM	X	1A	212	283.0	.	.	.	.	.	.	.	.	*
2	AUG78	114 PRT5	1A	212	25.3	.	.	.	.	.	45.	84	41.3	8	*
5	AUG78	2113.3VV	1A	111	-0.60	-1.80	-4.40	6.80	-5	.20	-8.	40	-9.8	0	-9.30*
5	AUG78	22 1.6HH	1A	111	-12.90	-15.50	-15.70	6.90	-17	.50	-19.	50	-20.4	0	-19.60*
5	AUG78	23 1.6HV	1A	111	-17.90	-17.80	-19.50	8.10	-18	.10	-18.	70	-20.3	0	-20.60*
5	AUG78	24 .4HH	1A	111	-19.90	-24.55	-25.70	8.00	-30	.70	-34.	10	-34.9	0	-35.70*
5	AUG78	25 .4HV	1A	111	-29.70	-33.60	-37.50	6.90	-40	.10	-41.	60	-40.9	0	-41.20*
5	AUG78	264.75HH	1A	111	1.50	-2.25	-6.16	7.65	-7	.94	-9.	67	-9.8	4	-12.00*
5	AUG78	274.75HV	1A	111	-5.38	-7.35	-12.38	3.35	-14	.45	-17.	56	-16.8	0	-19.90*
5	AUG78	28 M	L	1A	111	.	0.91	0.70	1.66	5	.76	.	.	.	20.78*
5	AUG78	29HLHCVC	1A	111	277.5	280.6	.	.	.	.	.	.	.	.	*
5	AUG78	210FLD S	M	1A	110	6.0	9.1	.	.	.	.	.	.	.	*
5	AUG78	211 LN S	M	1A	111	5.8	7.2	10.8	21.3	1	2.6	22	.7	21.	1
5	AUG78	212 LN S	M	1A	111	5.8	7.2	10.8	21.3	1	2.6	22	.9	21.	1
5	AUG78	213OLDPM	X	1A	111	.	281.4	281.3	.	.	.	.	.	.	*
5	AUG78	214 PRT5	1A	111	19.7	2.313	1	.133	.	.	45.	84	41.3	8	*
5	AUG78	2113.3VV	1A	212	-0.90	-2.30	-5.50	6.60	-5	.40	-9.	00	-9.9	0	-10.10*
5	AUG78	22 1.6HH	1A	212	.	.	.	.	.	.	.	.	.	.	*
5	AUG78	23 1.6HV	1A	210	.	.	.	.	.	.	.	.	.	.	*

5	AUG78	24	4HH	1A	212	-19.00	-22.46	-	24.60	-2	5.90	-27	.50	-33.	80	-33.2	0	-32.80*
5	AUG78	25	4HV	1A	212	-26.70	-31.60	-	33.70	-3	4.20	-37	.10	-39.	40	-39.1	0	-38.80*
5	AUG78	264.75HH		1A	210	.	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	274.75HV		1A	210	.	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	28 M	L	1A	211	.	.	.	.	.	.	.	.	.	.	.	20.78*	.
5	AUG78	29HLHCVC		1A	212	278.7	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	210FLD S	M	1A	210	6.0	9.1	.	.	.	.	.	.	.	.	21.	1	.
5	AUG78	211 LN S	M	1A	212	5.8	7.2	.	10.8	.	21.3	1	2.6	22	.9	21.	1	.
5	AUG78	212 LN S	M	1A	212	5.8	7.2	.	10.8	.	21.3	1	2.6	22	.9	21.	1	.
5	AUG78	213OLDPM	X	1A	212	285.5	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	214 PRTS		1A	212	22.9	.	.	.	.	.	.	.	45.	84	41.3	8	.
5	AUG78	3113.3VV		1A	111	-1.30	-2.60	-	5.40	-	7.20	-6	.10	-9.	10	-9.7	0	-9.50*
5	AUG78	32 1.6HH		1A	111	-12.20	-15.00	-	15.50	-1	5.50	-16	.40	-17.	80	-20.5	0	-19.70*
5	AUG78	33 1.6HV		1A	111	-18.90	-20.60	-	19.70	-1	9.50	-19	.10	-20.	30	-20.8	0	-23.20*
5	AUG78	34 .4HH		1A	111	-15.40	-21.23	-	22.40	-2	4.40	-25	.80	-32	40	-32.7	0	-33.00*
5	AUG78	35 .4HV		1A	111	-26.90	-30.60	-	34.50	-3	7.50	-38	.50	-42.	10	-42.7	5	-41.51*
5	AUG78	364.75HH		1A	110	10.60	7.00	.	4.40	.	2.0	1	.10	0.	20	-1.2	0	-2.50*
5	AUG78	374.75HV		1A	110	13.60	11.10	.	7.20	.	5.50	4	.60	1.	90	2.0	0	-0.20*
5	AUG78	38 M	L	1A	111	.	0.80	.	0.65	.	1.55	5	.70	.	.	.	.	20.70*
5	AUG78	39HLHCVC		1A	111	.	278.2	.	283.1	.	.	.	.	.	.	.	.	.
5	AUG78	310FLD S	M	1A	110	5.5	7.8	.	.	.	.	.	.	.	.	22.	0	.
5	AUG78	311 LN S	M	1A	111	5.8	7.4	.	11.2	.	20.3	1	2.4	22	.8	22.	0	.
5	AUG78	312 LN S	M	1A	111	5.8	7.4	.	11.2	.	20.3	1	2.4	22	.8	22.	0	.
5	AUG78	313OLDPM	X	1A	111	.	282.7	.	283.8	.	.	.	.	.	.	.	.	.
5	AUG78	314 PRTS		1A	111	19.3	.	.	2.340	1	.138	.	.	45.	84	41.3	8	.
5	AUG78	3113.3VV		1A	212	-0.70	-2.20	-	5.00	-	6.40	-5	.30	-9.	00	-9.8	0	-10.70*
5	AUG78	32 1.6HH		1A	210	.	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	33 1.6HV		1A	210	.	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	34 .4HH		1A	212	-16.10	-21.60	-	24.00	-2	6.30	-28	.60	-32.	40	-32.2	0	-31.90*
5	AUG78	35 .4HV		1A	212	-25.50	-32.30	-	35.20	-3	7.00	-39	.50	-41.	70	-40.0	0	-39.10*
5	AUG78	364.75HH		1A	210	.	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	374.75HV		1A	210	.	.	.	.	.	.	.	.	.	.	.	.	20.70*
5	AUG78	38 M	L	1A	211	.	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	39HLHCVC		1A	212	274.7	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	310FLD S	M	1A	210	5.5	7.8	.	.	.	.	.	.	.	.	24.	6	.
5	AUG78	311 LN S	M	1A	212	5.8	7.8	.	13.0	.	20.7	1	4.7	23	.3	24.	6	.
5	AUG78	312 LN S	M	1A	212	5.8	7.8	.	13.0	.	20.7	1	4.7	23	.3	24.	6	.
5	AUG78	313OLDPM	X	1A	212	282.0	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	314 PRTS		1A	212	20.1	.	.	.	.	.	.	.	45.	84	41.3	8	.
11	AUG78	4113.3VV		1A	111	-1.70	-1.80	-	4.40	-	6.90	-5	.20	-8.	70	-8.6	0	-9.10*
11	AUG78	42 1.6HH		1A	111	-11.70	-14.80	-	15.80	-1	6.70	-17	.40	-19.	10	-19.7	0	-20.00*
11	AUG78	43 1.6HV		1A	111	-19.60	-20.30	-	20.80	-2	0.70	-20	.50	-21.	20	-22.4	0	-23.80*
11	AUG78	44 .4HH		1A	111	-17.90	-20.00	-	22.70	-2	3.20	-25	.00	-30.	40	-29.7	0	-31.30*
11	AUG78	45 .4HV		1A	111	-28.00	-30.60	-	32.60	-3	2.30	-34	.60	-38.	10	-36.0	0	-36.20*
11	AUG78	464.75HH		1A	110	13.40	9.70	.	7.20	.	5.20	4	.60	1.	90	1.7	0	0.70*
11	AUG78	474.75HV		1A	110	11.30	7.70	.	5.10	.	3.80	3	.10	-1.	10	-0.8	0	-3.30*
11	AUG78	48 M	L	1A	111	.	1.01	.	0.84	.	1.76	5	.90	.	.	.	.	33.71*
11	AUG78	49HLHCVC		1A	111	.	290.2	.	294.2	.	.	.	.	.	.	.	.	.
11	AUG78	410FLD S	M	1A	110	4.9	7.1	.	.	.	.	.	.	.	.	22.	9	.
11	AUG78	411 LN S	M	1A	111	4.9	7.1	.	11.7	.	18.5	1	4.8	22	.1	22.	9	.
11	AUG78	412 LN S	M	1A	111	4.9	7.1	.	11.7	.	18.5	1	4.8	22	.1	22.	9	.
11	AUG78	413OLDPM	X	1A	111	.	294.2	.	295.5	.	.	.	.	.	.	.	.	.
11	AUG78	414 PRTS		1A	111	30.5	.	.	2.224	1	.118	.	.	45.	84	41.3	8	.
11	AUG78	4113.3VV		1A	210	.	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	42 1.5HH		1A	210	.	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	43 1.6HV		1A	210	.	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	44 .4HH		1A	210	.	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	45 .4HV		1A	210	.	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	464.75HH		1A	210	.	.	.	.	.	.	.	.	.	.	.	.	.





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14	AUG78	52	1.6HH	1X	113	-4.60	-5.60	-15.60	-1	3.70	-10	.80	-14.40	40	.	.	.	*
14	AUG78	53	1.6HV	1X	113	-20.00	-20.10	-18.40	-1	9.70	-19	.50	-20.40	40	.	.	.	*
14	AUG78	54	.4HH	1X	113	-15.70	-15.70	-14.60	-1	3.40	-19	.10	-26.50	50	.	.	.	*
14	AUG78	55	.4HV	1X	113	-28.54	-30.12	-29.40	-1	8.00	-31	.22	-38.52	52	.	.	.	*
14	AUG78	564.75HH		1X	111	3.66	2.47	-1.87	-1	4.14	-5	.41	-8.29	29	.	.	.	*
14	AUG78	574.75HV		1X	111	-4.42	-7.56	12.39	-1	2.58	-13	.95	-17.43	43	.	.	.	*
14	AUG78	58 N		R	1X	111	.	0.75	0.48	1.58	7	.57	.	.	.	.	*	
14	AUG78	59HLHCVC		1X	113	.	286.5	291.2	.	.	.	.	.	.	.	.	*	
14	AUG78	510FLD S		M	1X	110	7.3	10.3	.	.	.	.	.	.	.	.	*	
14	AUG78	511 LN S		M	1X	111	6.9	10.2	15.9	22.6	1	8.0	25	.7	27.	9	*	
14	AUG78	512 LN S		M	1X	111	6.9	10.2	15.9	22.6	1	8.0	25	.7	27.	9	*	
14	AUG78	513OLDPH		S	1X	113	.	289.9	292.5	.	.	.	.	.	.	.	*	
14	AUG78	514 PRTS		1X	113	26.3	.	3.560	1	.175	.	49.	06	41.0	5	.	*	
14	AUG78	5113.3VV		1X	212	7.90	.	-3.30	-1	4.90	-3	.40	-7.40	-8.8	0	-9.10*	*	
14	AUG78	52 1.6HH		1X	210	.	.	.	.	.	.	.	.	.	.	.	*	
14	AUG78	53 1.6HV		1X	210	.	.	.	.	.	.	.	.	.	.	.	*	
14	AUG78	54 .4HH		1X	212	-14.50	-19.40	-21.63	-1	9.60	-23	.00	-28.90	90	-27.4	0	-25.27*	
14	AUG78	55 .4HV		1X	212	-26.40	-28.60	-32.70	-1	9.00	-32	.60	-38.70	70	-37.9	0	-32.30*	
14	AUG78	564.75HH		1X	210	.	.	.	.	.	.	.	.	.	.	.	*	
14	AUG78	574.75HV		1X	210	.	.	.	.	.	.	.	.	.	.	.	*	
14	AUG78	58 N		R	1X	211	.	.	.	.	.	.	.	.	.	.	*	
14	AUG78	59HLHCVC		1X	212	278.3	.	.	.	.	.	.	.	.	.	.	*	
14	AUG78	510FLD S		M	1X	210	7.3	10.3	.	.	.	.	.	.	.	.	*	
14	AUG78	511 LN S		M	1X	212	6.9	10.2	16.9	22.6	1	8.0	25	.7	27.	9	*	
14	AUG78	512 LN S		M	1X	212	6.9	10.2	16.9	22.6	1	8.0	25	.7	27.	9	*	
14	AUG78	513OLDPH		S	1X	212	287.6	.	.	.	.	.	.	.	.	.	*	
14	AUG78	514 PRTS		1X	212	25.3	.	.	.	.	.	49.	06	41.0	5	.	*	
17	AUG78	6113.3VV		1X	111	0.90	0.30	-1.60	-1	3.30	-3	.50	-6.70	-8.2	0	-7.40*	*	
17	AUG78	62 1.6HH		1X	111	-5.10	-3.50	-1.40	-1	6.20	-8	.90	-7.40	-12.0	0	-14.20*	*	
17	AUG78	63 1.6HV		1X	111	-18.00	-18.40	-18.60	-1	8.10	-17	.90	-18.80	-20.3	0	-20.30*	*	
17	AUG78	64 .4HH		1X	111	-17.53	-18.20	-19.20	-1	4.12	-19	.60	-29.64	-29.3	7	-22.85*	*	
17	AUG78	65 .4HV		1X	111	-28.90	-30.70	-31.30	-2	1.00	-31	.80	-37.60	-34.0	0	-34.50*	*	
17	AUG78	664.75HH		1X	111	6.39	2.68	-0.43	-1	1.98	-2	1.80	-6.46	-9.4	7	-11.38*	*	
17	AUG78	674.75HV		1X	111	-5.80	-9.50	12.30	-1	3.50	-14	.50	-17.80	-18.4	0	-20.70*	*	
17	AUG78	68 N		R	1X	111	.	0.72	0.45	1.52	7	.10	.	.	.	.	*	
17	AUG78	69HLHCVC		1X	111	.	284.0	288.5	.	.	.	.	.	.	.	.	*	
17	AUG78	610FLD S		M	1X	110	6.0	8.2	.	.	.	.	.	.	.	.	*	
17	AUG78	611 LN S		M	1X	111	5.6	8.0	12.9	19.2	1	6.1	22	.2	26.	2	*	
17	AUG78	612 LN S		M	1X	111	5.6	8.0	12.9	19.2	1	6.1	22	.2	26.	2	*	
17	AUG78	613OLDPH		S	1X	111	.	285.1	290.5	.	.	.	.	.	.	.	*	
17	AUG78	614 PRTS		1X	111	24.5	.	3.339	1	.175	.	49.	06	41.0	5	.	*	
17	AUG78	6113.3VV		1X	212	0.40	.	-0.70	-1	1.60	-4	.00	-8.00	-8.6	0	-8.40*	*	
17	AUG78	62 1.6HH		1X	210	.	.	.	.	.	.	.	.	.	.	.	*	
17	AUG78	63 1.6HV		1X	210	.	.	.	.	.	.	.	.	.	.	.	*	
17	AUG78	64 .4HH		1X	212	-16.00	-15.90	-16.60	-1	4.70	-22	.60	-26.50	50	-26.6	0	-21.80*	
17	AUG78	65 .4HV		1X	212	-28.60	-30.00	-31.60	-1	9.60	-33	.50	-36.60	60	-34.7	0	-33.50*	
17	AUG78	664.75HH		1X	210	.	.	.	.	.	.	.	.	.	.	.	*	
17	AUG78	674.75HV		1X	210	.	.	.	.	.	.	.	.	.	.	.	*	
17	AUG78	68 N		R	1X	211	.	.	.	.	.	.	.	.	.	.	*	
17	AUG78	69HLHCVC		1X	212	281.1	.	.	.	.	.	.	.	.	.	.	*	
17	AUG78	610FLD S		M	1X	210	6.0	8.2	.	.	.	.	.	.	.	.	*	
17	AUG78	611 LN S		M	1X	212	5.6	8.0	12.9	19.2	1	6.1	22	.2	26.	2	*	
17	AUG78	612 LN S		M	1X	212	5.6	8.0	12.9	19.2	1	6.1	22	.2	26.	2	*	
17	AUG78	613OLDPH		S	1X	212	288.8	.	.	.	.	.	.	.	.	.	*	
17	AUG78	614 PRTS		1X	212	25.8	.	.	.	.	.	49.	06	41.0	5	.	*	
2	AUG78	1113.3VV		1X	121	1.40	-0.60	-1.50	-1	5.50	-4	.20	-8.30	-8.3	0	.	*	
2	AUG78	12 1.6HH		1X	121	-1.70	-0.60	-1.50	-1	6.40	-7	.20	-6.10	-11.8	0	.	*	
2	AUG78	13 1.6HV		1X	121	-17.30	-17.50	-16.70	-1	7.70	-15	.60	-16.40	-18.4	0	.	*	
2	AUG78	14 .4HH		1X	121	-15.30	-19.60	-18.10	-1	2.80	-19	.00	-30.80	-30.0	0	.	*	

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14	AUG78	52 1.6HH	IX	113	-4.60	-5.60	-5.80	-	8.70	-10	.70	-14.	40	.	.	.	.
14	AUG78	53 1.6HV	IX	113	-20.00	-20.10	-18.50	-1	9.70	-19	.50	-20.	40	.	.	.	.
14	AUG78	54 .4HH	IX	113	-15.70	-15.70	-14.60	-	5.40	-19	.10	-26.	50	.	.	.	.
14	AUG78	55 .4HV	IX	113	-28.54	-30.12	-29.40	-1	8.00	-31	.42	-38.	52	.	.	.	.
14	AUG78	564.75HH	IX	111	3.66	2.47	-1.87	-	4.14	-5	.41	-8.	29	.	.	.	.
14	AUG78	574.75HV	IX	111	-4.42	-7.56	-12.39	-1	2.51	-13	.95	-17.	43	.	.	.	.
14	AUG78	58 N	R	IX	111	.	0.75	.	1.58	7	.57	.	.	.	.	.	26.02*
14	AUG78	59HLHCVC	IX	113	.	286.5	291.2	.	.	.	.	.	.	.	.	.	.
14	AUG78	510FLD S	M	IX	110	7.3	10.3	.	.	.	.	.	.	.	.	.	.
14	AUG78	511 LN S	M	IX	111	6.5	10.2	16.9	22.6	1	8.0	25	.7	27.	9	.	.
14	AUG78	512 LN S	M	IX	111	6.9	10.2	16.9	22.6	1	8.0	25	.7	27.	9	.	.
14	AUG78	513OLDPH	S	IX	113	.	289.8	292.5	.	.	.	.	.	.	.	.	.
14	AUG78	514 PRTS	IX	113	26.2	.	3.560	1	.175	.	49.	06	41.0	5	.	.	.
14	AUG78	5113.3VV	IX	212	7.90	.	-3.30	-	4.90	-3	.40	-7.	40	-8.8	0	-9.10*	.
14	AUG78	52 1.6HH	IX	210	.	.	.	.	.	.	.	.	.	.	.	.	.
14	AUG78	53 1.6HV	IX	210	.	.	.	.	.	.	.	.	.	.	.	.	.
14	AUG78	54 .4HH	IX	212	-14.50	-19.40	-21.63	-	9.50	-23	.00	-28.	90	-27.4	0	-25.27*	.
14	AUG78	55 .4HV	IX	212	-26.40	-28.80	-32.70	-1	9.00	-32	.60	-38.	70	-37.9	0	-32.30*	.
14	AUG78	564.75HH	IX	210	.	.	.	.	.	.	.	.	.	.	.	.	.
14	AUG78	574.75HV	IX	210	.	.	.	.	.	.	.	.	.	.	.	.	.
14	AUG78	58 N	R	IX	211	.	.	.	.	.	.	.	.	.	.	.	26.02*
14	AUG78	59HLHCVC	IX	212	278.3	.	.	.	.	.	.	.	.	.	.	.	.
14	AUG78	510FLD S	M	IX	210	7.3	10.3	.	.	.	.	.	.	.	.	.	.
14	AUG78	511 LN S	M	IX	212	6.9	10.2	16.9	22.6	1	8.0	25	.7	27.	9	.	.
14	AUG78	512 LN S	M	IX	212	6.9	10.2	16.9	22.6	1	8.0	25	.7	27.	9	.	.
14	AUG78	513OLDPH	S	IX	212	287.6	.	.	.	.	.	.	.	.	.	.	.
14	AUG78	514 PRTS	IX	212	25.3	.	.	.	.	.	49.	06	41.0	5	.	.	.
17	AUG78	6113.3VV	IX	111	0.90	0.30	-1.60	-	3.80	-3	.50	-6.	70	-8.2	0	-7.40*	.
17	AUG78	62 1.6HH	IX	111	-5.10	-3.50	-3.40	-	6.20	-8	.90	-7.	40	-12.0	0	-14.20*	.
17	AUG78	63 1.6HV	IX	111	-18.00	-18.40	-18.60	-1	8.10	-17	.90	-18.	80	-20.3	0	-20.30*	.
17	AUG78	64 .4HH	IX	111	-17.53	-18.80	-19.20	-	4.12	-19	.60	-29.	64	-29.3	7	-22.85*	.
17	AUG78	65 .4HV	IX	111	-28.90	-30.70	-31.30	-2	1.00	-31	.80	-37.	60	-34.0	0	-34.50*	.
17	AUG78	664.75HH	IX	111	6.39	2.68	-0.43	-	1.98	-2	.80	-6.	46	-9.4	7	-11.38*	.
17	AUG78	674.75HV	IX	111	-5.80	-9.50	-12.30	-1	3.50	-14	.60	-17.	80	-18.4	0	-20.70*	.
17	AUG78	68 N	R	IX	111	.	0.72	0.45	1.52	7	.10	.	.	.	.	.	25.64*
17	AUG78	69HLHCVC	IX	111	.	284.0	288.5	.	.	.	.	.	.	.	.	.	.
17	AUG78	610FLD S	M	IX	110	6.0	8.2	.	.	.	.	.	.	.	.	.	.
17	AUG78	611 LN S	M	IX	111	5.6	8.0	12.9	19.2	1	6.1	22	.2	26.	2	.	.
17	AUG78	612 LN S	M	IX	111	5.6	8.0	12.9	19.2	1	6.1	22	.2	26.	2	.	.
17	AUG78	613OLDPH	S	IX	111	.	289.1	290.5	.	.	.	.	.	.	.	.	.
17	AUG78	614 PRTS	IX	111	24.5	.	3.339	1	.175	.	49.	06	41.0	5	.	.	.
17	AUG78	6113.3VV	IX	212	0.40	.	-0.70	-	4.60	-4	.00	-8.	00	-8.6	0	-8.40*	.
17	AUG78	62 1.6HH	IX	210	.	.	.	.	.	.	.	.	.	.	.	.	.
17	AUG78	63 1.6HV	IX	210	.	.	.	.	.	.	.	.	.	.	.	.	.
17	AUG78	64 .4HH	IX	212	-16.00	-16.90	-16.50	-	4.70	-22	.60	-26.	50	-26.6	0	-21.80*	.
17	AUG78	65 .4HV	IX	212	-28.60	-30.00	-31.60	-1	9.60	-33	.50	-36.	60	-34.7	0	-33.50*	.
17	AUG78	664.75HH	IX	210	.	.	.	.	.	.	.	.	.	.	.	.	.
17	AUG78	674.75HV	IX	210	.	.	.	.	.	.	.	.	.	.	.	.	.
17	AUG78	68 N	R	IX	211	.	.	.	.	.	.	.	.	.	.	.	25.64*
17	AUG78	69HLHCVC	IX	212	281.1	.	.	.	.	.	.	.	.	.	.	.	.
17	AUG78	610FLD S	M	IX	210	6.0	8.2	.	.	.	.	.	.	.	.	.	.
17	AUG78	611 LN S	M	IX	212	5.6	8.0	12.9	19.2	1	6.1	22	.2	26.	2	.	.
17	AUG78	612 LN S	M	IX	212	5.6	8.0	12.9	19.2	1	6.1	22	.2	26.	2	.	.
17	AUG78	613OLDPH	S	IX	212	288.8	.	.	.	.	.	.	.	.	.	.	.
17	AUG78	614 PRTS	IX	212	25.8	.	.	.	.	.	49.	06	41.0	5	.	.	.
2	AUG78	1113.3VV	IX	121	1.40	.	-2.90	-	5.50	-4	.20	-8.	30	-8.3	0	.	.
2	AUG78	12 1.6HH	IX	121	-1.70	-0.60	-1.50	-	6.40	-7	.20	-6.	10	-11.8	0	.	.
2	AUG78	13 1.6HV	IX	121	-17.30	-17.50	-16.70	-1	7.70	-15	.60	-16.	40	-18.4	0	.	.
2	AUG78	14 .4HH	IX	121	-15.30	-19.60	-18.10	-	2.80	-19	.00	-20.	80	-30.0	0	.	.

2	AUG73	15 .4HV	1X	121	-27.80	-31.20	-	30.10	-1	7.20	-31	.00	-39.	90	-38.3	0	.	*
2	AUG78	164.75HH	1X	120	.	.	.	.	.	.	.	.	.	.	.	.	*	
1	AUG78	174.75HV	1X	120	.	.	.	.	.	.	.	.	.	.	.	.	*	
2	AUG78	18 M	R	1X	121	.	0.92	0.53	1.92	9	.04	.	.	.	.	23.12*	*	
2	AUG78	19HLHCVC	1X	121	.	275.6	281.1	.	.	.	.	.	.	.	.	.	*	
2	AUG75	110FLD S	M	1X	120	24.9	24.9	.	.	.	.	.	.	.	.	.	*	
2	AUG78	111 LN S	M	1X	121	24.7	26.2	30.4	33.3	3	2.6	33	.9	32.	3	.	*	
2	AUG72	112 LN S	M	1X	121	24.7	26.2	30.4	33.3	3	2.6	33	.9	32.	3	.	*	
2	AUG73	1130LDPH	T	1X	121	.	281.2	283.0	.	.	.	.	.	.	.	.	*	
2	AUG78	114 PRTS	1X	121	21.9	.	4.302	1	.179	.	.	49.	06	41.0	5	.	*	
2	AUG78	1113.3VV	1X	222	3.40	.	-2.00	-	5.40	-5	.00	-6.	90	-8.4	0	-8.10*	*	
2	AUG78	12 1.6HH	1X	220	.	.	.	.	.	.	.	.	.	.	.	.	*	
2	AUG78	13 1.6HV	1X	220	.	.	.	.	.	.	.	.	.	.	.	.	*	
2	AUG78	14 .4HH	1X	222	-15.20	-16.40	-	14.70	-	1.00	-17	.10	-30.	10	-29.8	0	-28.50*	
2	AUG78	15 .4HV	1X	222	-27.90	-30.80	-	29.80	-1	8.70	-31	.70	-40.	20	-38.2	0	-37.40*	
2	AUG78	164.75HH	1X	222	6.85	3.65	.	0.48	-	0.99	-2	.54	-6.	29	-8.2	2	-8.8*	
2	AUG78	174.75HV	1X	222	-3.65	-8.10	-	11.18	-1	2.46	-13	.88	-17.	02	-17.5	1	-16.27*	
2	AUG78	18 M	R	1X	221	.	.	.	.	.	.	.	.	.	.	.	23.12*	
2	AUG78	19HLHCVC	1X	222	264.8	.	.	.	.	.	.	.	.	.	.	.	*	
2	AUG78	110FLD S	M	1X	220	24.9	24.9	.	.	.	.	.	.	.	.	.	*	
2	AUG78	111 LN S	M	1X	222	24.7	26.2	30.4	33.3	3	2.6	33	.9	32.	3	.	*	
2	AUG78	112 LN S	M	1X	222	24.7	26.2	30.4	33.3	3	2.6	33	.9	32.	3	.	*	
2	AUG78	1130LDPH	T	1X	222	269.6	.	.	.	.	.	.	.	.	.	.	*	
2	AUG78	114 PRTS	1X	222	22.8	.	.	.	.	.	.	49.	06	41.0	5	.	*	
5	AUG78	2113.3VV	1X	121	1.30	0.50	-1.80	-	4.00	-3	.30	-8.	20	-9.0	0	-9.80*	*	
5	AUG78	22 1.6HH	1X	121	-5.20	-4.30	-3.10	-	6.40	-5	.40	-12.	50	-13.0	0	-16.10*	*	
5	AUG78	23 1.6HV	1X	121	-16.90	-16.20	-	14.40	-1	5.40	-13	.50	-17.	50	-18.0	0	-18.40*	
5	AUG78	24 .4HH	1X	121	-18.00	-18.50	-	16.90	-	5.40	-25	.20	-32.	30	-31.2	0	-23.60*	
5	AUG78	25 .4HV	1X	121	-31.20	-32.60	-	30.90	-1	8.60	-39	.10	-39.	50	-42.4	0	-31.90*	
5	AUG78	264.75HH	1X	121	6.53	3.02	.	0.23	-	3.22	-3	.49	-8.	58	-9.1	6	-10.82*	
5	AUG78	274.75HV	1X	121	-5.88	-8.54	-	13.22	-1	3.95	-15	.07	-18.	92	-18.9	4	-22.28*	
5	AUG78	28 M	R	1X	121	.	0.90	0.54	1.92	8	.90	.	.	.	.	.	16.88*	
5	AUG78	29HLHCVC	1X	121	.	272.3	277.6	.	.	.	.	.	.	.	.	.	*	
5	AUG78	210FLD S	M	1X	120	24.0	24.5	.	.	.	.	.	.	.	.	.	*	
5	AUG78	211 LN S	M	1X	121	21.1	23.3	27.5	33.3	2	8.1	32	.6	30.	6	.	*	
5	AUG78	212 LN S	M	1X	121	21.1	23.3	27.5	33.3	2	8.1	32	.6	30.	6	.	*	
5	AUG78	2130LDPH	T	1X	121	.	277.0	279.0	.	.	.	.	.	.	.	.	*	
5	AUG78	214 PRTS	1X	121	19.0	.	4.214	1	.177	.	.	49.	06	41.0	5	.	*	
5	AUG78	2113.3VV	1X	222	1.00	.	-2.10	-	4.20	-3	.40	-8.	30	-9.6	0	-10.40*	*	
5	AUG78	22 1.6HH	1X	220	.	.	.	.	.	.	.	.	.	.	.	.	*	
5	AUG78	23 1.6HV	1X	220	.	.	.	.	.	.	.	.	.	.	.	.	*	
5	AUG78	24 .4HH	1X	222	-19.60	-22.60	-	20.69	-	7.00	-23	.60	-33.	00	-30.2	0	-27.30*	
5	AUG78	25 .4HV	1X	222	-29.30	-33.50	-	34.40	-2	1.40	-37	.30	-41.	10	-38.5	3	-34.22*	
5	AUG78	264.75HH	1X	220	.	.	.	.	.	.	.	.	.	.	.	.	*	
5	AUG78	274.75HV	1X	220	.	.	.	.	.	.	.	.	.	.	.	.	*	
5	AUG78	28 M	R	1X	221	.	.	.	.	.	.	.	.	.	.	.	19.88*	
5	AUG78	29HLHCVC	1X	222	266.1	.	.	.	.	.	.	.	.	.	.	.	*	
5	AUG78	210FLD S	M	1X	220	24.0	24.5	.	.	.	.	.	.	.	.	.	*	
5	AUG78	211 LN S	M	1X	222	21.1	23.3	27.5	33.3	2	8.1	32	.6	30.	6	.	*	
5	AUG78	212 LN S	M	1X	222	21.1	23.3	27.5	33.3	2	8.1	32	.6	30.	6	.	*	
5	AUG78	2130LDPH	T	1X	222	272.6	.	.	.	.	.	.	.	.	.	.	*	
5	AUG78	214 PRTS	1X	222	19.1	.	.	.	.	.	.	49.	06	41.0	5	.	*	
8	AUG78	3113.3VV	1X	120	.	.	.	.	.	.	.	.	.	.	.	.	*	
8	AUG78	32 1.6HH	1X	120	.	.	.	.	.	.	.	.	.	.	.	.	*	
8	AUG78	33 1.6HV	1X	120	.	.	.	.	.	.	.	.	.	.	.	.	*	
8	AUG78	34 .4HH	1X	120	.	.	.	.	.	.	.	.	.	.	.	.	*	
8	AUG78	35 .4HV	1X	120	.	.	.	.	.	.	.	.	.	.	.	.	*	
8	AUG78	364.75HH	1X	120	.	.	.	.	.	.	.	.	.	.	.	.	*	
8	AUG78	374.75HV	1X	120	.	.	.	.	.	.	.	.	.	.	.	.	*	

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OF POOR QUALITY

8	AUG78	38 M	R	IX	121	.	0.90	0.55	4.05	12	.00	.	.	.	20.50*	
8	AUG78	39HLHCVC		IX	121	.	.	.	.	.	.	.	.	.	*	
8	AUG78	310FLD S	M	IX	120	15.9	12.0	.	.	.	.	.	.	.	*	
8	AUG78	311 LN S	M	IX	121	.	.	.	.	.	.	.	.	.	*	
8	AUG78	312 LN S	M	IX	121	.	.	.	.	.	.	.	.	.	*	
8	AUG78	313OLDPH	T	IX	120	.	.	.	.	.	.	.	.	.	*	
8	AUG78	314 PRTS		IX	121	18.6	.	5.919	1	.135	.	49.	06	41.0	5	
8	AUG78	3113.3VV		IX	222	5.30	4.10	0.10	-1	3.30	-2	.90	-7.	20	-9.8	0
8	AUG78	32 1.6HH		IX	220	.	.	.	.	.	.	.	.	.	.	*
8	AUG78	33 1.6HV		IX	220	.	.	.	.	.	.	.	.	.	.	*
8	AUG78	34 .4HH		IX	222	-15.60	-16.40	12.60	-	0.30	-19	.50	-27.	94	-27.4	0
8	AUG78	35 .4HV		IX	222	-25.10	-29.40	31.30	-2	9.60	-38	.50	-41.	00	-41.6	0
8	AUG78	364.75HH		IX	220	.	.	.	.	.	.	.	.	.	.	*
8	AUG78	374.75HV		IX	220	.	.	.	.	.	.	.	.	.	.	*
8	AUG78	38 M	R	IX	221	.	.	.	.	.	.	.	.	.	.	20.50*
8	AUG78	39HLHCVC		IX	222	249.7	.	.	.	.	.	.	.	.	.	*
8	AUG78	310FLD S	M	IX	220	15.9	12.0	.	.	.	.	.	.	.	.	*
8	AUG78	311 LN S	M	IX	222	.	.	.	.	.	.	.	.	.	.	*
8	AUG78	312 LN S	M	IX	222	.	.	.	.	.	.	.	.	.	.	*
8	AUG78	313OLDPH	T	IX	222	255.2	.	.	.	.	.	.	.	.	.	*
8	AUG78	314 PRTS		IX	222	19.3	.	.	.	.	.	.	.	.	.	*
11	AUG78	3113.3VV		IX	121	-0.10	-0.40	-3.10	-	4.90	-4	.70	-8.	30	-8.5	0
11	AUG78	32 1.6HH		IX	121	-5.50	-3.60	-3.70	-	7.00	-10	.70	-10.	60	-13.8	0
11	AUG78	33 1.6HV		IX	121	-19.60	-19.80	19.00	-1	8.20	-19	.10	-17.	80	-20.9	0
11	AUG78	34 .4HH		IX	121	-18.50	-20.91	19.93	-	6.98	-20	.68	-30.	27	-29.5	4
11	AUG78	35 .4HV		IX	121	-31.16	-34.48	34.68	-2	1.98	-34	.46	-41.	39	-38.5	9
11	AUG78	364.75HH		IX	123	.	.	.	.	.	.	.	.	.	.	*
11	AUG78	374.75HV		IX	120	.	.	.	.	.	.	.	.	.	.	*
11	AUG78	38 M	R	IX	121	.	0.86	0.53	1.73	7	.82	.	.	.	.	29.96*
11	AUG78	39HLHCVC		IX	121	.	289.4	296.4	.	.	.	.	.	.	.	*
11	AUG78	310FLD S	M	IX	120	11.0	13.7	.	.	.	.	.	.	.	.	*
11	AUG78	311 LN S	M	IX	121	10.0	12.9	19.0	27.1	2	0.3	26	.8	25.	9	*
11	AUG78	312 LN S	M	IX	121	10.0	12.9	19.0	27.1	2	0.3	26	.8	25.	9	*
11	AUG78	313OLDPH	T	IX	121	.	293.0	296.5	.	.	.	.	.	.	.	*
11	AUG78	314 PRTS		IX	121	28.1	.	3.637	1	.172	.	49.	06	41.0	5	*
11	AUG78	3113.3VV		IX	222	-0.20	-0.40	-2.50	-	5.20	-4	.00	-7.	00	-8.4	0
11	AUG78	32 1.6HH		IX	220	.	.	.	.	.	.	.	.	.	.	*
11	AUG78	33 1.6HV		IX	220	.	.	.	.	.	.	.	.	.	.	*
11	AUG78	34 .4HH		IX	222	-15.92	-16.53	17.80	-	0.47	-16	.80	-29.	10	-29.5	0
11	AUG78	35 .4HV		IX	222	-29.20	-31.00	30.10	-1	5.94	-30	.10	-42.	60	-37.0	0
11	AUG78	364.75HH		IX	222	5.25	1.75	-1.65	-	4.33	-5	.70	-9.	53	-11.2	3
11	AUG78	374.75HV		IX	222	-4.68	-8.91	12.67	-1	4.11	-14	.85	-17.	87	-19.7	4
11	AUG78	38 M	R	IX	221	.	.	.	.	.	.	.	.	.	.	29.96*
11	AUG78	39HLHCVC		IX	222	280.3	.	.	.	.	.	.	.	.	.	*
11	AUG78	310FLD S	M	IX	220	11.0	13.7	.	.	.	.	.	.	.	.	*
11	AUG78	311 LN S	M	IX	222	10.0	12.9	19.0	27.1	2	0.3	26	.8	25.	9	*
11	AUG78	312 LN S	M	IX	222	10.0	12.9	19.0	27.1	2	0.3	26	.8	25.	9	*
11	AUG78	313OLDPH	T	IX	222	.	284.8	296.5	.	.	.	.	.	.	.	*
11	AUG78	314 PRTS		IX	222	28.5	.	.	.	.	.	.	.	.	.	*
14	AUG78	3113.3VV		IX	123	1.40	-0.40	-3.50	-	3.70	-4	.00	-8.	06	41.0	5
14	AUG78	32 1.6HH		IX	123	-5.80	-3.70	-0.90	-	7.20	-9	.80	-9.	30	-8.5	0
14	AUG78	33 1.6HV		IX	123	-19.20	-17.60	14.90	-1	7.40	-18	.50	-18.	50	-22.2	0
14	AUG78	34 .4HH		IX	123	-15.59	-18.53	18.13	-	4.30	-20	.58	-30.	94	-30.1	7
14	AUG78	35 .4HV		IX	123	-29.66	-31.54	32.99	-2	3.30	-35	.30	-41.	31	-39.7	9
14	AUG78	364.75HH		IX	120	.	.	.	.	.	.	.	.	.	.	*
14	AUG78	374.75HV		IX	120	.	.	.	.	.	.	.	.	.	.	*
14	AUG78	38 M	R	IX	121	.	0.86	0.56	2.02	0	.75	.	.	.	.	27.23*
14	AUG78	39HLHCVC		IX	123	.	288.3	292.8	.	.	.	.	.	.	.	*
14	AUG78	310FLD S	M	IX	120	7.3	10.3	.	.	.	.	.	.	.	.	*

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14	AUG78	511 LN S	M	1X	121	7.7	10.5	16.3	23.3	1	7.6	25	.2	24.	6	*
14	AUG78	512 LN S	M	1X	121	7.7	10.5	16.3	23.3	1	7.6	25	.2	24.	6	*
14	AUG78	513OLDPM	T	1X	123	.	253.3	294.0	.	.	.	.	.	.	.	*
14	AUG78	514 PRTS	.	X	123	27.5	.	4.108	1	.175	.	49.	06	41.0	5	*
14	AUG78	5113.3VV	1X	222	1.40	0.10	-3.20	-	4.50	-3	.70	-2.	30	-9.5	0	-2.30*
14	AUG78	52 1.6HH	1X	220	.	.	.	.	.	.	.	.	.	.	.	*
14	AUG78	53 1.6HV	1X	220	.	.	.	.	.	.	.	.	.	.	.	*
14	AUG78	54 .4HH	1X	222	-20.50	-22.30	16.00	-	6.10	-23	.40	-33.	20	-31.4	0	-25.20*
14	AUG78	55 .4HV	1X	222	-31.20	-32.20	29.76	-1	8.70	-33	.90	-40.	00	-38.9	0	-31.40*
14	AUG78	564.75HH	1X	222	5.62	2.28	-1.10	-	4.37	-5	.94	-10.	19	-10.7	2	-11.92*
14	AUG78	574.75HV	1X	222	-4.91	-2.29	15.57	-1	6.97	-18	.07	-21.	50	-21.1	0	-23.53*
14	AUG78	58 M	R	1X	221	.	.	.	.	.	.	.	.	.	.	27.23*
14	AUG78	59HLHCVC	1X	222	279.3	.	.	.	.	.	.	.	.	.	.	*
14	AUG78	510FLO S	M	1X	220	7.3	10.3	.	.	.	.	.	.	.	.	*
14	AUG78	511 LN S	M	1X	222	7.7	10.5	16.3	23.3	1	7.6	25	.2	24.	6	*
14	AUG78	512 LN S	M	1X	222	7.7	10.5	16.3	23.3	1	7.6	25	.2	24.	6	*
14	AUG78	513OLDPM	T	1X	222	286.1	.	.	.	.	.	.	.	.	.	*
14	AUG78	514 PRTS	1X	222	26.6	.	.	.	.	.	.	49.	06	41.0	5	*
17	AUG78	6113.3VV	1X	121	3.80	3.00	1.20	-	2.40	-1	.50	-5.	70	-8.3	0	-7.70*
17	AUG78	62 1.6HH	1X	121	4.40	5.30	2.50	-	0.50	-2	.50	-3.	30	-7.0	0	-10.20*
17	AUG78	63 1.6HV	1X	121	-16.20	-12.90	14.60	-1	5.50	-16	.60	-17.	90	-18.1	0	-20.00*
17	AUG78	64 .4HH	1X	121	-15.00	-16.20	15.70	-	1.60	-20	.00	-20.	50	-26.6	0	-21.80*
17	AUG78	65 .4HV	1X	121	-30.55	-30.58	32.18	-1	8.11	-33	.92	-41.	75	-38.3	1	-36.60*
17	AUG78	664.75HH	1X	121	10.89	6.56	3.67	-	1.90	-0	.49	-6.	62	-9.6	0	-11.36*
17	AUG78	674.75HV	1X	121	-3.24	-2.38	11.18	-1	3.55	-14	.55	-18.	25	-19.0	3	-20.87*
17	AUG78	68 M	R	1X	121	.	0.25	0.53	1.74	7	.73	.	.	.	.	26.74*
17	AUG78	69HLHCVC	1X	121	.	282.6	287.0	.	.	.	.	.	.	.	.	*
17	AUG78	610FLO S	M	1X	120	6.0	8.2	.	.	.	.	.	.	.	.	*
17	AUG78	611 LN S	M	1X	121	.	.	.	.	.	.	.	.	.	.	*
17	AUG78	612 LN S	M	1X	121	.	.	.	.	.	.	.	.	.	.	*
17	AUG78	613OLDPM	T	1X	121	.	281.2	283.9	.	.	.	.	.	.	.	*
17	AUG78	614 PRTS	1X	121	25.2	.	3.582	1	.171	.	.	49.	06	41.0	5	*
17	AUG78	6113.3VV	1X	222	2.30	2.30	1.00	-	2.00	-1	.30	-6.	80	-7.6	0	-8.10*
17	AUG78	62 1.6HH	1X	220	.	.	.	.	.	.	.	.	.	.	.	*
17	AUG78	63 1.6HV	1X	220	.	.	.	.	.	.	.	.	.	.	.	*
17	AUG78	64 .4HH	1X	222	-15.40	-16.20	15.40	-	1.40	-17	.60	-27.	90	-28.9	0	-12.40*
17	AUG78	65 .4HV	1X	222	-30.30	-32.80	34.20	-1	9.90	-30	.20	-41.	30	-40.5	0	-34.00*
17	AUG78	664.75HH	1X	220	.	.	.	.	.	.	.	.	.	.	.	*
17	AUG78	674.75HV	1X	220	.	.	.	.	.	.	.	.	.	.	.	*
17	AUG78	68 M	R	1X	221	.	.	.	.	.	.	.	.	.	.	26.74*
17	AUG78	69HLHCVC	1X	222	269.2	.	.	.	.	.	.	.	.	.	.	*
17	AUG78	610FLO S	M	1X	220	6.0	8.2	.	.	.	.	.	.	.	.	*
17	AUG78	611 LN S	M	1X	222	.	.	.	.	.	.	.	.	.	.	*
17	AUG78	612 LN S	M	1X	222	.	.	.	.	.	.	.	.	.	.	*
17	AUG78	613OLDPM	T	1X	222	274.9	.	.	.	.	.	.	.	.	.	*
17	AUG78	614 PRTS	1X	222	27.5	.	.	.	.	.	.	49.	06	41.0	5	*
2	AUG78	1113.3VV	1X	131	0.80	-1.20	-4.60	-	6.50	-5	.70	-9.	00	-9.5	0	-10.10*
2	AUG78	12 1.6HH	1X	131	-9.50	-11.60	11.60	-1	2.30	-11	.80	-13.	60	-15.8	0	-16.20*
2	AUG78	13 1.6HV	1X	131	-18.70	-18.70	17.90	-1	6.10	-15	.50	-17.	20	-19.1	0	-19.10*
2	AUG78	14 .4HH	1X	131	-15.27	-13.83	22.60	-2	6.60	-28	.70	-32.	10	-31.2	0	-32.60*
2	AUG78	15 .4HV	1X	131	-24.40	-30.80	33.20	-3	3.40	-33	.60	-34.	60	-34.1	0	-35.40*
2	AUG78	164.75HH	1X	130	.	.	.	.	.	.	.	.	.	.	.	*
2	AUG78	174.75HV	1X	130	.	.	.	.	.	.	.	.	.	.	.	*
2	AUG78	18 M	L	1X	131	.	.	.	.	.	.	.	.	.	.	23.08*
2	AUG78	19HLHCVC	1X	131	.	277.0	280.7	.	.	.	.	.	.	.	.	*
2	AUG78	110FLO S	M	1X	130	24.9	24.9	.	.	.	.	.	.	.	.	*
2	AUG78	111 LN S	M	1X	131	24.9	24.9	29.4	32.8	3	1.3	33	.0	32.	2	*
2	AUG78	112 LN S	M	1X	131	24.9	24.9	29.4	32.8	3	1.3	33	.0	32.	2	*
2	AUG78	113OLDPM	Z	1X	131	.	280.5	280.9	.	.	.	.	.	.	.	*



2	AUG78	114 PRTS		IX	131	21.6	.	.	.	.	.	49.	06	41.0	5	*
2	AUG78	1113.3VV		IX	232	0.50	-1.80	-5.20	-	5.60	-5.	.00	-8.	80	-8.9	0 -11.90*
2	AUG78	12 1.6HH		IX	230	.	.	.	.	.	.	.	.	.	.	*
2	AUG78	13 1.6HV		IX	230	.	.	.	.	.	.	.	.	.	.	*
2	AUG78	14 .4HH		IX	232	-14.10	-21.58	-	20.70	-2	5.30	-29	.00	-33.	50	-33.4 0 =-30.20*
2	AUG78	15 .4HV		IX	232	-29.00	-31.49	-	30.98	-3	1.40	-30	.40	-32.	10	-34.1 0 =-32.90*
2	AUG78	164.7SHH		IX	232	3.46	0.28	-	-2.90	-	4.56	-5	.28	-7.	21	-7.7 4 =-9.04*
2	AUG78	174.7SHV		IX	232	-4.22	-8.05	-	11.45	-1	0.47	-13	.73	-15.	70	-14.6 6 =-17.60*
2	AUG78	18 M	L	IX	231	.	.	.	.	.	.	.	.	.	.	23.08*
2	AUG78	19HLHCVC		IX	232	264.2	.	.	.	.	.	.	.	.	.	*
2	AUG78	110FLD S	M	IX	230	24.9	24.9	.	.	.	.	.	.	.	.	*
2	AUG78	111 LN S	M	IX	232	24.9	24.9	25.4	.	32.8	3	1.3	33	.0	32.	2 *
2	AUG78	112 LN S	M	IX	232	24.9	24.9	29.4	.	32.8	3	1.3	33	.0	32.	2 *
2	AUG78	113OLDPM	Z	IX	232	268.1	.	.	.	.	.	.	.	.	.	*
2	AUG78	114 PRTS		IX	232	22.3	.	.	.	.	.	49.	06	41.0	5	*
5	AUG78	2113.3VV		IX	131	1.70	1.30	-1.50	-	4.30	-3	.90	-6.	90	-8.1	0 =-8.50*
5	AUG78	22 1.6HH		IX	131	-8.80	-10.80	-	11.50	-1	0.90	-11	.60	-13.	50	-15.2 0 =-17.10*
5	AUG78	23 1.6HV		IX	131	-15.90	-15.70	-	14.90	-1	3.50	-14	.00	-15.	50	-16.9 0 =-19.40*
5	AUG78	24 .4HH		IX	131	-19.12	-24.13	-	26.07	-2	6.12	-30	.54	-34.	72	-34.3 7 =-33.32*
5	AUG78	25 .4HV		IX	131	-25.40	-31.90	-	33.20	-3	2.90	-33	.30	-37.	10	-35.7 0 =-35.30*
5	AUG78	264.7SHH		IX	131	5.30	-0.09	-	-3.49	-	5.93	-5	.93	-8.	04	-10.0 6 =-10.23*
5	AUG78	274.7SHV		IX	131	-5.70	-7.63	-	11.23	-1	2.69	-13	.11	-16.	09	-17.4 0 =-18.29*
5	AUG78	28 M	L	IX	131	.	.	.	.	.	.	.	.	.	.	18.67*
5	AUG78	29HLHCVC		IX	131	.	265.3	272.8	.	.	.	.	.	.	.	*
5	AUG78	210FLD S	M	IX	130	24.0	24.5	.	.	.	.	.	.	.	.	*
5	AUG78	211 LN S	M	IX	131	24.0	24.5	28.9	.	34.7	2	9.9	33	.4	31.	8 *
5	AUG78	212 LN S	M	IX	131	24.0	24.5	28.9	.	34.7	2	9.9	33	.4	31.	8 *
5	AUG78	213OLDPM	Z	IX	131	.	273.7	273.7	.	.	.	.	.	.	.	*
5	AUG78	214 PRTS		IX	131	18.2	.	.	.	.	.	49	06	41.0	5	*
5	AUG78	2113.3VV		IX	232	-0.10	-0.60	-2.50	-	5.30	-4	.50	-9.	00	-8.3	0 =-9.60*
5	AUG78	22 1.6HH		IX	230	.	.	.	.	.	.	.	.	.	.	*
5	AUG78	23 1.6HV		IX	230	.	.	.	.	.	.	.	.	.	.	*
5	AUG78	24 .4HH		IX	232	-19.40	-23.10	-	21.60	-2	3.40	-27	.30	-34.	20	-33.8 0 =-32.70*
5	AUG78	25 .4HV		IX	232	-30.50	-32.70	-	34.00	-3	4.00	-33	.60	-35.	30	-35.0 0 =-35.90*
5	AUG78	264.7SHH		IX	230	.	.	.	.	.	.	.	.	.	.	*
5	AUG78	274.7SHV		IX	230	.	.	.	.	.	.	.	.	.	.	*
5	AUG78	29 M	L	IX	231	.	.	.	.	.	.	.	.	.	.	18.67*
5	AUG78	29HLHCVC		IX	232	266.5	.	.	.	.	.	.	.	.	.	*
5	AUG78	210FLD S	M	IX	230	24.0	24.5	.	.	.	.	.	.	.	.	*
5	AUG78	211 LN S	M	IX	232	24.0	24.5	28.9	.	34.7	2	9.9	33	.4	31.	8 *
5	AUG78	212 LN S	M	IX	232	24.0	24.5	28.9	.	34.7	2	9.9	33	.4	31.	8 *
5	AUG78	213OLDPM	Z	IX	232	274.1	.	.	.	.	.	.	.	.	.	*
5	AUG78	214 PRTS		IX	232	19.9	.	.	.	.	.	49.	06	41.0	5	*
8	AUG78	3113.3VV		IX	131	2.00	0.10	-2.90	-	5.80	-4	.30	-7.	90	-8.8	0 =-8.90*
8	AUG78	32 1.6HH		IX	131	-10.30	-11.70	-	11.60	-1	0.60	-11	.50	-14.	30	-15.3 0 =-17.20*
8	AUG78	33 1.6HV		IX	131	-17.70	-17.00	-	15.80	-1	4.00	-14	.90	-15.	00	-17.6 0 =-19.00*
8	AUG78	34 .4HH		IX	131	-17.21	-18.70	-	24.25	-2	5.40	-28	.40	-34.	60	-32.2 0 =-32.00*
8	AUG78	35 .4HV		IX	131	-28.30	-30.60	-	36.70	-3	1.10	-33	.50	-36.	00	-35.4 0 =-37.20*
8	AUG78	364.7SHH		IX	130	14.20	8.70	5.10	.	2.60	2	.70	0.	50	-1.1	0 =-2.10*
8	AUG78	374.7SHV		IX	130	12.40	8.90	6.90	.	5.30	5	.00	0.	80	0.3	0 =-1.50*
8	AUG78	38 M	L	IX	131	.	.	.	.	.	.	.	.	.	.	19.36*
8	AUG78	39HLHCVC		IX	131	.	265.1	266.6	.	.	.	.	.	.	.	*
8	AUG78	310FLD S	M	IX	130	15.9	18.0	.	.	.	.	.	.	.	.	*
8	AUG78	311 LN S	M	IX	131	.	.	.	.	.	.	.	.	.	.	*
8	AUG78	312 LN S	M	IX	131	.	.	.	.	.	.	.	.	.	.	*
8	AUG78	313OLDPM	Z	IX	131	.	270.3	268.5	.	.	.	.	.	.	.	*
8	AUG78	314 PRTS		IX	131	18.0	.	.	.	.	.	49.	06	41.0	5	*
8	AUG78	3113.3VV		IX	232	0.80	0.60	-2.60	-	5.20	-4	.90	-7.	60	-8.0	0 =-9.00*



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OF POOR QUALITY

14	AUG78	554.75HH	1X	230	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.</
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17	AUG78	6113.3VV	10	121	5.40	1.50	-3.30	-	8.30	-8	.70	-12.	20	-14.6	0	-13.60*
17	AUG78	62 1.6HH	10	121	-3.10	-8.20	11.70	-1	3.60	-16	.30	-20.	30	-20.8	0	-24.60*
17	AUG78	63 1.6HV	10	121	-16.30	-21.50	24.70	-2	4.50	-27	.20	-39.	80	-30.9	0	-31.20*
17	AUG78	64 .4HH	10	121	-11.60	-12.24	15.40	-1	6.80	-19	.10	-27.	20	-28.5	0	-31.10*
17	AUG78	65 .4HV	10	121	-22.50	-24.70	32.00	-3	3.40	-39	.30	-50.	40	-46.0	0	-46.30*
17	AUG78	664.75HH	10	121	9.39	2.72	-3.40	-	7.65	-10	.66	-16.	24	-18.4	6	-19.59*
17	AUG78	674.75HV	10	121	-4.06	-10.41	16.42	-2	2.74	-23	.66	-28.	41	-29.3	5	-31.52*
17	AUG78	68 H	B	10	121	.	2.24	2.59	2.74	5	.73	.	.	.	.	31.34*
17	AUG78	69HLHCVC	10	121	.	276.6	284.4	.	.	.	.	.	.	.	.	.
17	AUG78	610FLD S	M	10	120	3.4	5.1	12.6	19.9	1	0.7	21	.2	20.	3	.
17	AUG78	611 LN S	M	10	121	3.6	5.9	12.8	19.9	1	0.7	21	.2	20.	3	.
17	AUG78	612 LN S	M	10	121	3.6	5.5	12.8	19.9	1	0.7	21	.2	20.	3	.
17	AUG78	613OLDPM	B	10	121	.	283.3	286.2	.	.	.	.	.	.	.	.
17	AUG78	614 PRT5	10	121	29.3	0.057	0	.937	.	.	.41	05	43.3	4	.	.
17	AUG78	6113.3VV	10	222	5.30	2.00	-3.10	-	8.60	-8	.40	-12.	30	-14.4	0	-14.70*
17	AUG78	62 1.6HH	10	220	.	.	.	.	.	.	.	.	.	.	.	.
17	AUG78	63 1.6HV	10	220	.	.	.	.	.	.	.	.	.	.	.	.
17	AUG78	64 .4HH	10	222	-10.20	-10.70	13.50	-1	4.80	-19	.90	-28.	60	-29.3	0	-29.80*
17	AUG78	65 .4HV	10	222	-23.80	-25.20	32.80	-3	4.20	-39	.40	-48.	50	-47.8	0	-47.10*
17	AUG78	664.75HH	10	220	.	.	.	.	.	.	.	.	.	.	.	.
17	AUG78	674.75HV	10	220	.	.	.	.	.	.	.	.	.	.	.	.
17	AUG78	68 H	B	10	221	.	.	.	.	.	.	.	.	.	.	31.34*
17	AUG78	69HLHCVC	10	222	276.6	.	.	.	.	.	.	.	.	.	.	.
17	AUG78	610FLD S	M	10	220	3.4	5.1	11.4	18.6	1	0.7	21	.6	19.	6	.
17	AUG78	611 LN S	M	10	222	3.4	5.1	11.4	18.6	1	0.7	21	.6	19.	6	.
17	AUG78	612 LN S	M	10	222	3.4	5.1	11.4	18.6	1	0.7	21	.6	19.	6	.
17	AUG78	613OLDPM	B	10	222	284.4	.	.	.	.	.	.	.	.	.	.
17	AUG78	614 PRT5	10	222	32.4	.	.	.	.	.	.41	05	43.3	4	.	.
2	AUG78	1113.3VV	13	121	-3.20	-5.60	-8.50	-1	0.50	-9	.50	-12.	50	-12.5	0	.
2	AUG78	12 1.6HH	13	121	-8.20	-11.30	12.60	-1	3.10	-14	.30	-16.	70	-18.4	0	.
2	AUG78	13 1.6HV	13	121	-19.00	-20.20	20.40	-2	0.10	-20	.10	-22.	60	-23.3	0	.
2	AUG78	14 .4HH	13	121	-17.77	-19.47	22.71	-2	3.19	-25	.01	-32.	66	-33.0	3	.
2	AUG78	15 .4HV	13	121	-24.19	-26.90	31.56	-3	4.06	-36	.90	-44.	51	-43.1	9	.
2	AUG78	164.75HH	13	120	.	.	.	.	.	.	.	.	.	.	.	.
2	AUG78	174.75HV	13	120	.	.	.	.	.	.	.	.	.	.	.	.
2	AUG78	18 H	A	13	121	.	0.99	0.73	1.55	6	.80	.	.	.	.	23.57*
2	AUG78	19HLHCVC	13	121	.	279.4	284.3	.	.	.	.	.	.	.	.	.
2	AUG78	110FLD S	M	13	120	15.9	18.9	18.3	18.3	1	7.8	19	.3	16.	1	.
2	AUG78	111 LN S	M	13	121	14.2	18.6	18.3	18.3	1	7.8	19	.3	16.	1	.
2	AUG78	112 LN S	M	13	121	14.2	18.6	18.3	18.3	1	7.8	19	.3	16.	1	.
2	AUG78	113OLDPM	L	13	121	.	286.0	287.8	.	.	.	.	.	.	.	.
2	AUG78	114 PRT5	13	121	24.4	2.845	1	.143	.	.	.30	81	36.1	6	.	.
2	AUG78	1113.3VV	13	222	-3.10	-4.60	-8.00	-1	0.70	-9	.50	-11.	90	-12.9	0	-12.90*
2	AUG78	12 1.6HH	13	220	.	.	.	.	.	.	.	.	.	.	.	.
2	AUG78	13 1.6HV	13	220	.	.	.	.	.	.	.	.	.	.	.	.
2	AUG78	14 .4HH	13	222	-11.54	-14.41	18.00	-2	0.10	-20	.60	-30.	80	-30.3	0	-32.10*
2	AUG78	15 .4HV	13	222	-23.57	-22.80	28.10	-3	0.50	-35	.00	-42.	00	-41.6	0	-43.00*
2	AUG78	164.75HH	13	222	6.10	1.00	-3.23	-	5.64	-7	.88	-10.	08	-12.0	2	-12.58*
2	AUG78	174.75HV	13	222	-3.94	-8.24	11.13	-1	3.82	-14	.77	-18.	53	-18.6	1	-21.04*
2	AUG78	18 H	A	13	221	.	.	.	.	.	.	.	.	.	.	23.57*
2	AUG78	19HLHCVC	13	222	258.3	.	.	.	.	.	.	.	.	.	.	.
2	AUG78	110FLD S	M	13	220	15.9	18.9	20.9	20.1	1	9.6	20	.8	17.	9	.
2	AUG78	111 LN S	M	13	222	15.9	18.9	20.9	20.1	1	9.6	20	.8	17.	9	.
2	AUG78	112 LN S	M	13	222	15.9	18.9	20.9	20.1	1	9.6	20	.8	17.	9	.
2	AUG78	113OLDPM	L	13	222	266.9	.	.	.	.	.	.	.	.	.	.
2	AUG78	114 PRT5	13	222	23.5	.	.	.	.	.	.30	81	36.1	6	.	.
5	AUG78	2113.3VV	13	121	2.60	-1.40	-3.10	-	6.80	-5	.80	-9.	60	-10.3	0	-11.00*
5	AUG78	22 1.6HH	13	121	-0.20	-6.40	-6.80	-	8.50	-11	.00	-13.	50	-16.2	0	-18.10*
5	AUG78	23 1.6HV	13	121	-13.80	-15.20	14.40	-1	5.00	-16	.10	-18.	00	-19.7	0	-21.70*

5	AUG78	24	.4HH	13	121	-15.00	-18.10	-	20.70	-2	4.47	-26	.20	-3	30	-35.3	0	-34.90*
5	AUG78	25	.4HV	13	121	-23.77	-26.62	-	33.11	-3	5.17	-41	.30	-48	16	-45.2	8	-46.59*
5	AUG78	264	.75HH	13	121	5.27	0.54	-	-2.96	-	5.19	-6	.06	-8	26	-9.0	0	-10.69*
5	AUG78	274	.75HV	13	121	-4.61	-5.79	-	11.90	-1	2.34	-14	.95	-17	38	-16.5	8	-20.25*
5	AUG78	28	M	A	13	121	.	0.91	0.61	.	1.97	6	.77	.	.	.	19.95*	
5	AUG78	29	HLHCVC	13	121	.	257.3	.	262.8	.	.	.	.	.	.	.	.	.
5	AUG78	210	FLD S	M	13	120	32.2	31.6	.	.	.	.	.	.	.	.	.	.
5	AUG78	211	LN S	M	13	121	29.8	30.0	30.5	28.1	2	8.9	24	.2	19.	1	.	.
5	AUG78	212	LN S	M	13	121	29.8	30.0	30.5	28.1	2	8.9	24	.2	19.	1	.	.
5	AUG78	2130	DPM	L	13	121	.	264.0	266.1	.	.	.	.	.	.	.	.	.
5	AUG78	214	PRT5	13	121	18.8	.	2.970	.	1	.155	.	39.	81	36.1	6	.	.
5	AUG78	2113	.3VV	13	222	1.00	-1.70	-5.10	-	6.50	-6	.30	-9	90	-9.6	0	-10.00*	
5	AUG78	22	1.6HH	13	220	.	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	23	1.6HV	13	220	.	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	24	.4HH	13	222	-14.50	-18.40	-	22.00	-2	5.50	-21	.80	-34	50	-34.2	0	-34.70*
5	AUG78	25	.4HV	13	222	-22.70	-27.00	-	30.61	-3	2.36	-34	.79	-63	50	-44.0	0	-44.00*
5	AUG78	264	.75HH	13	220	.	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	274	.75HV	13	220	.	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	28	M	A	13	221	.	.	.	.	.	.	.	.	.	.	19.95*	
5	AUG78	29	HLHCVC	13	222	238.9	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	210	FLD S	M	13	220	32.2	31.6	.	.	.	.	.	.	.	.	.	.
5	AUG78	211	LN S	M	13	222	29.8	30.0	30.5	28.1	2	8.9	24	.2	19.	7	.	.
5	AUG78	212	LN S	M	13	222	29.8	30.0	30.5	28.1	2	8.9	24	.2	19.	7	.	.
5	AUG78	2130	DPM	L	13	222	252.0	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	214	PRT5	13	222	20.1	.	.	.	.	.	.	39.	81	36.1	6	.	.
5	AUG78	3113	.3VV	13	121	1.50	-1.10	-4.20	-	7.60	-6	.50	-10	20	-10.9	0	-11.30*	
5	AUG78	32	1.6HH	13	121	-2.30	-8.60	-	9.70	-1	0.30	-13	.30	-17	40	-18.4	0	-21.10*
5	AUG78	33	1.6HV	13	121	-16.30	-18.20	-	18.30	-1	8.20	-19	.30	-21	80	-23.7	0	-25.50*
5	AUG78	34	.4HH	13	121	-13.40	-17.60	-	20.40	-2	2.50	-21	.99	-30	50	-33.3	0	-31.50*
5	AUG78	35	.4HV	13	121	-20.94	-26.33	-	29.67	-3	4.75	-37	.71	-44	73	-46.1	0	-43.43*
5	AUG78	364	.75HH	13	121	6.77	0.58	-2.55	.	6.21	-13	.86	-17	91	-10.9	2	-13.48*	
5	AUG78	374	.75HV	13	121	-1.99	-7.82	-	10.77	-1	3.20	-13	.83	-13	32	-18.3	6	-20.93*
5	AUG78	38	M	A	13	121	.	1.10	0.65	.	2.70	9	.60	.	.	.	19.95*	
5	AUG78	39	HLHCVC	13	121	.	267.2	.	272.6	.	.	.	.	.	.	.	.	.
5	AUG78	310	FLD S	M	13	120	26.6	28.4	.	.	.	.	.	.	.	.	.	.
5	AUG78	311	LN S	M	13	121	23.5	26.7	27.4	26.5	2	6.5	24	.2	19.	3	.	.
5	AUG78	312	LN S	M	13	121	23.5	26.7	27.4	26.5	2	6.5	24	.2	19.	3	.	.
5	AUG78	3130	DPM	L	13	121	.	270.9	272.9	.	.	.	.	.	.	.	.	.
5	AUG78	314	PRT5	13	121	18.4	.	4.465	.	1	.172	.	39.	81	36.1	6	.	.
5	AUG78	3113	.3VV	13	222	1.30	-1.10	-3.70	-	6.80	-5	.40	-10	10	-10.9	0	-11.20*	
5	AUG78	32	1.6HH	13	220	.	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	33	1.6HV	13	220	.	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	34	.4HH	13	222	-12.20	-16.40	-	19.60	-2	1.30	-20	.40	-30	70	-30.6	0	-30.80*
5	AUG78	35	.4HV	13	222	-21.59	-24.60	-	27.80	-3	2.80	-37	.00	-41	60	-44.7	0	-45.56*
5	AUG78	364	.75HH	13	220	.	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	374	.75HV	13	220	.	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	38	M	A	13	221	.	.	.	.	.	.	.	.	.	.	19.95*	
5	AUG78	39	HLHCVC	13	222	249.6	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	310	FLD S	M	13	220	26.6	28.4	.	.	.	.	.	.	.	.	.	.
5	AUG78	311	LN S	M	13	222	23.5	26.7	27.4	26.5	2	6.5	24	.2	19.	3	.	.
5	AUG78	312	LN S	M	13	222	23.5	26.7	27.4	26.5	2	6.5	24	.2	19.	3	.	.
5	AUG78	3130	DPM	L	13	222	254.3	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	314	PRT5	13	222	19.0	.	.	.	.	.	.	39.	81	36.1	6	.	.
11	AUG78	4113	.3VV	13	121	-2.10	-3.80	-5.90	-	9.30	-7	.60	-10	90	-11.0	0	-11.10*	
11	AUG78	42	1.6HH	13	121	-15.40	-10.70	-	12.80	-1	2.90	-15	.60	-16	70	-20.7	0	-21.90*
11	AUG78	43	1.6HV	13	121	-17.30	-19.70	-	21.20	-2	1.10	-22	.50	-23	90	-25.6	0	-27.20*
11	AUG78	44	.4HH	13	121	-14.07	-17.60	-	20.10	-2	3.20	-25	.17	-31	60	-30.4	0	-29.60*
11	AUG78	45	.4HV	13	121	-21.00	-26.20	-	29.80	-3	2.70	-30	.30	-42	80	-38.9	0	-38.90*
11	AUG78	464	.75HH	13	120	.	.	.	.	.	.	.	.	.	.	.	.	.

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DATE	TIME	TYPE	FLIGHT	ORIGIN	DESTINATION	STATUS	FARES	TAXES	FEES	TOTAL	REMARKS						
17	AUG78	610FLD S	M	13	120	23.0	24.6										
17	AUG78	611 LN S	M	13	121	23.0	24.6	23.3	22.2	2	2.4	16	.9	16.	9	*	
17	AUG78	612 LN S	M	13	121	23.0	24.6	23.3	22.2	2	2.4	16	.9	16.	9	*	
17	AUG78	613OLDPM	L	13	121		279.4	280.2								*	
17	AUG78	614 PRTS		13	121	23.1		3.66	1	.172		39.	81	36.1	6	*	
17	AUG78	6113.3VV		13	222	1.50	-0.90	-3.70	-	7.60	-7	.40	-10.	30	-10.4	0	-11.40*
17	AUG78	62 1.6HH		13	220											*	
17	AUG78	63 1.6HV		13	220											*	
17	AUG78	64 .4HH		13	222	-9.50	-16.00	-19.50	-2	1.20	-21	.00	-30.	80	-31.5	0	-34.40*
17	AUG78	65 .4HV		13	222	-22.30	-24.80	-29.30	-3	0.70	-35	.00	-44.	30	-44.3	0	-47.10*
17	AUG78	664.75HH		13	220											*	
17	AUG78	674.75HV		13	220											*	
17	AUG78	68 M	A	13	221											24.63*	
17	AUG78	69HLHCVC		13	222	259.3										*	
17	AUG78	610FLD S	M	13	220	23.0	24.6									*	
17	AUG78	611 LN S	M	13	222	23.0	24.6	23.3	22.2	2	2.4	16	.9	16.	9	*	
17	AUG78	612 LN S	M	13	222	23.0	24.6	23.3	22.2	2	2.4	16	.9	16.	9	*	
17	AUG78	613OLDPM	L	13	222	265.0										*	
17	AUG78	614 PRTS		13	222	24.6						39.	81	36.1	6	*	
2	AUG78	1113.3VV		14	121	8.00	5.50	1.10	-	2.70	-3	.70	-8.	90	-10.3	0	*
2	AUG78	12 1.6HH		14	121	-2.20	-5.50	-7.80	-	9.40	-11	.40	-14.	60	-16.7	0	*
2	AUG78	13 1.6HV		14	121	-18.00	-18.70	-19.30	-1	8.40	-18	.10	-20.	60	-21.7	0	*
2	AUG78	14 .4HH		14	121	-15.41	-16.60	-20.50	-2	1.60	-22	.70	-31.	60	-32.5	0	*
2	AUG78	15 .4HV		14	121	-26.10	-27.90	-32.80	-3	4.20	-37	.30	-43.	60	-46.5	8	*
2	AUG78	164.75HH		14	120											*	
2	AUG78	174.75HV		14	120											*	
2	AUG78	18 M	B	14	121		1.43	1.72	1.84	4	.03					22.55*	
2	AUG78	19HLHCVC		14	121		244.8	249.2								*	
2	AUG78	110FLD S	M	14	120	22.1	22.9									*	
2	AUG78	111 LN S	M	14	121	22.2	23.0	25.3	25.8	2	6.2	26	.4	24.	2	*	
2	AUG78	112 LN S	M	14	121	22.3	23.0	25.3	25.8	2	6.2	26	.4	24.	2	*	
2	AUG78	113OLDPM	D	14	121		246.3	246.8								*	
2	AUG78	114 PRTS		14	121	24.3		0.167	0	.950		33.	89	39.2	7	*	
2	AUG78	1113.3VV		14	222	8.10	5.50	-4.30	-	3.10	-3	.50					

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11	AUG78	474.75HV	13	120	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.</
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[illegible]

17	AUG78	65	.4HV	14	222	-27.10	-28.40	35.00	-3	7.40	-41	.30	-50.	70	-50.1	0	-49.50*
17	AUG78	664	.75HH	14	220	.	.	.	.	.	.	.	.	.	.	.	*
17	AUG78	674	.75HV	14	220	.	.	.	.	.	.	.	.	.	.	.	*
17	AUG78	68	M	14	221	.	.	.	.	.	.	.	.	.	.	.	*
17	AUG78	69	HLHCVC	14	222	278.7	.	.	.	.	.	.	.	.	.	.	30.92*
17	AUG78	610	FLD S	M	14	229	3.6	6.1	.	.	.	.	.	.	.	.	*
17	AUG78	611	LN S	M	14	222	3.5	5.8	12.2	17.9	1	2.0	23	.8	21.	3	*
17	AUG78	612	LN S	M	14	222	3.5	5.8	12.2	17.9	1	2.0	23	.8	21.	3	*
17	AUG78	613	OLDPM	D	14	222	286.2	.	.	.	.	.	.	.	.	.	*
17	AUG78	614	PRTS	14	222	32.2	.	.	.	.	.	.	.	.	.	.	*
2	AUG78	1113	.3VV	15	121	0.10	-3.10	-6.80	-	9.20	-9	.00	-13.	50	-13.6	0	*
2	AUG78	12	1.6HH	15	121	-6.50	-10.70	13.90	-1	6.20	-16	.50	-22.	60	-23.3	0	*
2	AUG78	13	1.6HV	15	121	-15.80	-22.30	23.60	-2	4.80	-26	.10	-29.	60	-30.4	0	*
2	AUG78	14	.4HH	15	121	-13.50	-16.20	17.70	-1	8.60	-22	.00	-29.	20	-30.0	0	*
2	AUG78	15	.4HV	15	121	-26.80	-29.40	31.60	-3	6.03	-41	.53	-44.	90	-50.9	9	*
2	AUG78	164	.75HH	15	120	.	.	.	.	.	.	.	.	.	.	.	*
2	AUG78	174	.75HV	15	120	.	.	.	.	.	.	.	.	.	.	.	*
2	AUG78	18	M	15	121	.	2.23	2.23	.	2.77	6	.70	.	.	.	.	27.10*
2	AUG78	19	HLHCVC	15	121	.	278.9	281.9	.	.	.	.	.	.	.	.	*
2	AUG78	110	FLD S	M	15	120	6.2	11.0	.	.	.	.	.	.	.	.	*
2	AUG78	111	LN S	M	15	121	7.1	12.7	16.2	18.1	1	5.5	21	.6	23.	2	*
2	AUG78	112	LN S	M	15	121	7.1	12.7	16.2	18.1	1	5.5	21	.6	23.	2	*
2	AUG78	113	OLDPM	V	15	121	.	263.3	282.7	.	.	.	.	.	.	.	*
2	AUG78	114	PRTS	15	121	24.2	.	1.020	1	.000	.	.	39.	63	37.1	2	*
2	AUG78	1113	.3VV	15	222	-0.30	-3.00	-7.80	-1	0.20	-9	.00	-13.	10	-13.8	0	*
2	AUG78	12	1.6HH	15	220	.	.	.	.	.	.	.	.	.	.	.	*
2	AUG78	13	1.6HV	15	220	.	.	.	.	.	.	.	.	.	.	.	*
2	AUG78	14	.4HH	15	222	-11.70	-13.70	16.70	-1	8.70	-18	.80	-24.	80	-28.9	0	*
2	AUG78	15	.4HV	15	222	-26.70	-28.80	31.70	-3	4.60	-39	.10	-46.	68	-40.8	0	*
2	AUG78	164	.75HH	15	222	5.00	-1.27	-5.05	-	2.96	-10	.34	-13.	71	-19.7	6	*
2	AUG78	174	.75HV	15	222	-4.05	-9.73	16.23	-1	8.35	-21	.31	-24.	31	-23.7	5	*
2	AUG78	18	M	15	221	.	.	.	.	.	.	.	.	.	.	.	27.10*
2	AUG78	19	HLHCVC	15	222	275.1	.	.	.	.	.	.	.	.	.	.	*
2	AUG78	110	FLD S	M	15	220	6.2	11.0	.	.	.	.	.	.	.	.	*
2	AUG78	111	LN S	M	15	222	7.1	12.7	16.2	18.1	1	5.5	21	.6	23.	2	*
2	AUG78	112	LN S	M	15	222	7.1	12.7	16.2	18.1	1	5.5	21	.6	23.	2	*
2	AUG78	113	OLDPM	V	15	222	281.4	.	.	.	.	.	.	.	.	.	*
2	AUG78	114	PRTS	15	222	27.6	.	.	.	.	.	.	.	.	.	.	*
5	AUG78	2113	.3VV	15	121	3.00	-0.20	-4.40	-	7.50	-7	.40	-11.	80	-12.8	0	-13.60*
5	AUG78	22	1.6HH	15	121	-2.60	-6.50	11.30	-1	3.80	-15	.30	-19.	60	-21.3	0	-22.30*
5	AUG78	23	1.6HV	15	121	-17.40	-18.90	21.10	-2	1.70	-22	.20	-24.	40	-25.1	0	-26.30*
5	AUG78	24	.4HH	15	121	-15.00	-19.46	22.89	-1	4.70	-28	.78	-36.	68	-37.5	3	-37.32*
5	AUG78	25	.4HV	15	121	-26.50	-27.20	33.50	-3	4.70	-41	.90	-46.	33	-51.3	2	-50.78*
5	AUG78	264	.75HH	15	121	4.68	-0.52	-4.88	-	6.49	-10	.37	-12.	69	-12.6	5	-14.78*
5	AUG78	274	.75HV	15	121	-4.68	-8.76	15.77	-1	7.91	-19	.61	-22.	75	-21.6	7	-25.14*
5	AUG78	28	M	15	121	.	1.66	1.65	.	2.29	5	.71	.	.	.	.	20.32*
5	AUG78	29	HLHCVC	15	121	.	255.3	256.8	.	.	.	.	.	.	.	.	*
5	AUG78	210	FLD S	M	15	120	11.4	15.3	.	.	.	.	.	.	.	.	*
5	AUG78	211	LN S	M	15	121	11.4	15.3	17.4	18.7	1	7.7	19	.9	22.	9	*
5	AUG78	212	LN S	M	15	121	11.4	15.3	17.4	18.7	1	7.7	19	.9	22.	9	*
5	AUG78	213	OLDPM	V	15	121	.	260.9	258.2	.	.	.	.	.	.	.	*
5	AUG78	214	PRTS	15	121	19.6	.	1.155	1	.025	.	.	39.	63	37.1	2	*
5	AUG78	2113	.3VV	15	222	2.60	-0.70	-5.30	-	9.10	-3	.60	-14.	50	-14.3	0	-15.10*
5	AUG78	22	1.6HH	15	220	.	.	.	.	.	.	.	.	.	.	.	*
5	AUG78	23	1.6HV	15	220	.	.	.	.	.	.	.	.	.	.	.	*
5	AUG78	24	.4HH	15	222	-14.20	-17.30	21.60	-2	3.00	-27	.00	-34.	60	-34.6	0	-32.20*
5	AUG78	25	.4HV	15	222	-25.70	-27.40	30.90	-3	3.10	-41	.18	-48.	74	-50.3	7	-50.26*
5	AUG78	264	.75HH	15	220	.	.	.	.	.	.	.	.	.	.	.	*
5	AUG78	274	.75HV	15	220	.	.	.	.	.	.	.	.	.	.	.	*

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11	AUG78	411 LN S	M	15	222	19.7	22.9	24.1	23.8	2	3.3	21	.3	21.	8	*
11	AUG78	412 LN S	M	15	222	19.7	22.9	24.1	23.8	2	3.3	21	.3	21.	8	*
11	AUG78	413OLDPM	V	15	222	270.1	.	.	.	.	.	39.	63	37.1	2	*
11	AUG78	414 PRTS		15	222	31.5	.	.	.	.	.	.	.	.	.	*
14	AUG78	5113.3VV		15	123	4.40	-1.20	-5.40	8.20	-7	.20	-11.	30	-11.5	0	*
14	AUG78	52 1.6HH		15	123	-4.10	-5.10	14.60	7.00	-18	.40	-20.	80	-22.0	0	*
14	AUG78	53 1.6HV		15	123	-17.40	-20.60	22.60	3.00	-23	.20	-26.	10	-26.9	0	*
14	AUG78	54 .4HH		15	123	-2.30	-15.50	19.20	1.10	-23	.30	-30.	60	-30.7	0	*
14	AUG78	55 .4HV		15	123	-27.02	-26.95	28.90	0.00	-36	.29	-37.	80	-41.3	0	*
14	AUG78	564.75HH		15	120	.	.	.	.	.	.	.	.	.	.	*
14	AUG78	574.75HV		15	120	.	.	.	.	.	.	.	.	.	.	*
14	AUG78	58 M	L	15	121	.	1.26	1.15	1.86	4	.85	.	.	.	26.79*	*
14	AUG78	59HLHCVC		15	123	.	279.8	283.8	.	.	.	.	.	.	.	*
14	AUG78	510FLD S	M	15	120	9.5	14.4	.	.	.	.	.	.	.	.	*
14	AUG78	511 LN S	M	15	121	9.5	14.4	19.4	20.2	1	8.4	20	.3	22.	0	*
14	AUG78	512 LN S	M	15	121	9.5	14.4	19.4	20.2	1	8.4	20	.3	22.	0	*
14	AUG78	513OLDPM	V	15	123	.	284.7	285.3	.	.	.	.	.	.	.	*
14	AUG78	514 PRTS		15	123	29.2	.	1.286	.057	1	.	39.	63	37.1	2	*
14	AUG78	5113.3VV		15	222	2.70	-1.40	-5.80	7.70	-7	.20	-11.	70	-12.2	0	-13.00*
14	AUG78	52 1.6HH		15	220	.	.	.	.	.	.	.	.	.	.	*
14	AUG78	53 1.6HV		15	220	.	.	.	.	.	.	.	.	.	.	*
14	AUG78	54 .4HH		15	222	-13.60	-17.40	20.60	1.30	-24	.00	-30.	30	-30.5	0	-31.30*
14	AUG78	55 .4HV		15	222	-23.70	-26.20	28.60	1.40	-36	.70	-37.	70	-38.4	0	-38.90*
14	AUG78	564.75HH		15	222	4.86	-0.14	-5.41	7.44	-9	.16	-12.	15	-11.6	3	-13.90*
14	AUG78	574.75HV		15	222	-3.42	-8.44	15.04	5.63	-17	.50	-19.	61	-19.0	8	-21.83*
14	AUG78	58 M	L	15	221	.	.	.	.	.	.	.	.	.	.	26.79*
14	AUG78	59HLHCVC		15	222	263.7	.	.	.	.	.	.	.	.	.	*
14	AUG78	510FLD S	M	15	220	9.5	14.4	.	.	.	.	.	.	.	.	*
14	AUG78	511 LN S	M	15	222	10.9	15.8	21.7	22.7	2	0.3	21	.8	23.	7	*
14	AUG78	512 LN S	M	15	222	10.9	15.8	21.7	22.7	2	0.3	21	.8	23.	7	*
14	AUG78	513OLDPM	V	15	222	266.9	.	.	.	.	.	.	.	.	.	*
14	AUG78	514 PRTS		15	222	27.2	.	.	.	.	.	39.	63	37.1	2	*
17	AUG78	6113.3VV		15	121	1.50	-1.80	-5.60	8.60	-8	.20	-10.	60	-11.5	0	-12.20*
17	AUG78	62 1.6HH		15	121	-6.10	-10.30	15.00	6.00	-18	.80	-21.	20	-21.7	0	-23.00*
17	AUG78	63 1.6HV		15	121	-16.40	-20.60	24.20	3.00	-24	.70	-24.	10	-25.8	0	-25.80*
17	AUG78	64 .4HH		15	121	-12.50	-15.93	18.40	7.20	-22	.67	-29.	30	-29.6	0	-31.00*
17	AUG78	65 .4HV		15	121	-25.30	-26.40	30.94	2.30	-38	.03	-42.	70	-42.6	0	-41.70*
17	AUG78	664.75HH		15	121	5.12	-0.38	-5.32	8.84	-10	.20	-12.	56	-14.8	2	-14.66*
17	AUG78	674.75HV		15	121	-5.23	-9.64	14.18	6.93	-18	.04	-21.	10	-21.5	5	-23.38*
17	AUG78	68 M	L	15	121	.	1.73	1.58	2.46	6	.64	.	.	.	.	29.10*
17	AUG78	69HLHCVC		15	121	.	289.1	284.9	.	.	.	.	.	.	.	*
17	AUG78	610FLD S	M	15	120	4.9	11.5	.	.	.	.	.	.	.	.	*
17	AUG78	611 LN S	M	15	121	4.9	11.5	16.3	18.6	1	5.6	19	.1	22.	2	*
17	AUG78	612 LN S	M	15	121	4.9	11.5	16.3	18.6	1	5.6	19	.1	22.	2	*
17	AUG78	613OLDPM	V	15	121	.	285.3	286.6	.	.	.	.	.	.	.	*
17	AUG78	614 PRTS		15	121	26.0	.	1.754	.056	1	.	39.	63	37.1	2	*
17	AUG78	6113.3VV		15	222	2.40	-1.60	-4.30	9.20	-8	.30	-11.	30	-12.5	0	-12.50*
17	AUG78	62 1.6HH		15	220	.	.	.	.	.	.	.	.	.	.	*
17	AUG78	63 1.6HV		15	220	.	.	.	.	.	.	.	.	.	.	*
17	AUG78	64 .4HH		15	222	-12.80	-15.70	19.40	7.60	-23	.70	-28.	20	-29.1	0	-29.60*
17	AUG78	65 .4HV		15	222	-24.60	-26.20	30.00	9.90	-35	.60	-40.	50	-40.8	0	-42.90*
17	AUG78	664.75HH		15	220	.	.	.	.	.	.	.	.	.	.	*
17	AUG78	674.75HV		15	220	.	.	.	.	.	.	.	.	.	.	*
17	AUG78	68 M	L	15	221	.	.	.	.	.	.	.	.	.	.	29.10*
17	AUG78	69HLHCVC		15	222	281.3	.	.	.	.	.	.	.	.	.	*
17	AUG78	610FLD S	M	15	220	4.9	11.5	.	.	.	.	.	.	.	.	*
17	AUG78	611 LN S	M	15	222	4.9	11.5	16.3	18.6	1	5.6	19	.1	22.	2	*
17	AUG78	612 LN S	M	15	222	4.9	11.5	16.3	18.6	1	5.6	19	.1	22.	2	*
17	AUG78	613OLDPM	V	15	222	289.2	.	.	.	.	.	.	.	.	.	*

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8	AUG78	312 LN S	M	19	131	16.3	22.4	23.4	25.1	2	3.0	26	.3	28.	7	*	
8	AUG78	313GLOPH	O	19	131		270.4	271.0								*	
8	AUG78	314 PRTS		19	131	18.3		1.894	1	.147		41.	75	35.5	6	*	
8	AUG78	3113.3VV		19	232	3.50	2.80	0.70	-1	1.40	-1	.50	-5.	70	-6.8	0	-8.70*
8	AUG78	32 1.6HH		19	230	.	.	.		.		.	.	.	.	*	
8	AUG78	33 1.6HV		19	230	.	.	.		.		.	.	.	.	*	
8	AUG78	34 .4HH		19	232	-11.20	-12.50	12.50		1.20	-14	.70	-25.	70	-25.2	0	-31.30*
8	AUG78	35 .4HV		19	232	-25.40	-22.60	32.10	-2	3.20	-37	.50	-45.	30	-42.4	0	-37.60*
8	AUG78	364.75HH		19	230	.	.	.		.		.	.	.	.	*	
8	AUG78	374.75HV		19	230	.	.	.		.		.	.	.	.	*	
8	AUG78	38 H	R	19	231	.	.	.		.		.	.	.	.	19.76*	
8	AUG78	39HLHCVC		19	232	255.8	.	.		.		.	.	.	.	*	
8	AUG78	310FLD S	N	19	230	16.3	22.4			.		.	.	.	.	*	
8	AUG78	311 LN S	M	19	232	17.9	23.8	25.3	26.8	2	4.3	28	.7	29.	3	*	
8	AUG78	312 LN S	M	19	232	17.9	23.8	25.3	26.8	2	4.3	28	.7	29.	3	*	
8	AUG78	313GLOPH	O	19	232	260.0	.	.		.		.	.	.	.	*	
8	AUG78	314 PRTS		19	232	19.3	.	.		.		41.	75	35.5	6	*	
11	AUG78	4113.3VV		19	130	.	.	.		.		.	.	.	.	*	
11	AUG78	42 1.6HH		19	130	.	.	.		.		.	.	.	.	*	
11	AUG78	43 1.6HV		19	130	.	.	.		.		.	.	.	.	*	
11	AUG78	44 .4HH		19	130	.	.	.		.		.	.	.	.	*	
11	AUG78	45 .4HV		19	130	.	.	.		.		.	.	.	.	*	
11	AUG78	464.75HH		19	130	.	.	.		.		.	.	.	.	*	
11	AUG78	474.75HV		19	130	.	.	.		.		.	.	.	.	*	
11	AUG78	48 H	R	19	131	.	8.91	0.74	1.56	5	.63	.	.	.	.	30.80*	
11	AUG78	49HLHCVC		19	131	.	277.2	283.4		.		.	.	.	.	*	
11	AUG78	410FLD S	N	19	130	10.1	15.6			.		.	.	.	.	*	
11	AUG78	411 LN S	M	19	131	10.1	15.6	19.9	22.6	2	1.3	26	.0	27.	1	*	
11	AUG78	412 LN S	M	19	131	10.1	15.6	19.9	22.6	2	1.3	26	.0	27.	1	*	
11	AUG78	413GLOPH	O	19	131	.	284.6	287.1		.		.	.	.	.	*	
11	AUG78	414 PRTS		19	131	27.6	.	2.195	1	.126		41.	75	35.5	6	*	
11	AUG78	4113.3VV		19	232	1.70	1.50	-1.10	-1	3.90	-2	.70	-5.	40	-6.7	0	-7.00*
11	AUG78	42 1.6HH		19	230	.	.	.		.		.	.	.	.	*	
11	AUG78	43 1.6HV		19	230	.	.	.		.		.	.	.	.	*	
11	AUG78	44 .4HH		19	232	-10.80	-12.10	12.70		1.40	-10	.30	-23.	80	-23.5	0	-18.80*
11	AUG78	45 .4HV		19	232	-23.90	-26.80	28.20	-1	5.90	-30	.40	-37.	80	-36.7	0	-29.10*
11	AUG78	464.75HH		19	230	.	.	.		.		.	.	.	.	*	
11	AUG78	474.75HV		19	230	.	.	.		.		.	.	.	.	*	
11	AUG78	48 H	R	19	231	.	.	.		.		.	.	.	.	30.80*	
11	AUG78	49HLHCVC		19	232	269.7	.	.		.		.	.	.	.	*	
11	AUG78	410FLD S	N	19	230	10.1	15.6			.		.	.	.	.	*	
11	AUG78	411 LN S	M	19	232	10.1	15.6	19.9	22.6	2	1.3	26	.0	27.	1	*	
11	AUG78	412 LN S	M	19	232	10.1	15.6	19.9	22.6	2	1.3	26	.0	27.	1	*	
11	AUG78	413GLOPH	O	19	232	279.2	.	.		.		.	.	.	.	*	
11	AUG78	414 PRTS		19	232	29.0	.	.		.		41.	75	35.5	6	*	
14	AUG78	5113.3VV		19	133	3.20	1.80	-0.70	-1	3.30	-2	.20	-5.	10	-5.6	0	-6.70*
14	AUG78	52 1.6HH		19	133	-0.10	-1.50	-2.60	-1	1.70	-4	.40	-7.	10	-9.3	0	-11.30*
14	AUG78	53 1.6HV		19	133	-18.00	-18.50	18.50	-1	6.10	-19	.60	-20.	40	-20.0	0	-21.70*
14	AUG78	54 .4HH		19	133	-12.44	-10.90	14.36		0.10	-13	.10	-23.	20	-24.2	0	-18.92*
14	AUG78	55 .4HV		19	133	-24.55	-27.50	30.40	-1	7.40	-30	.70	-41.	05	-38.0	6	-27.53*
14	AUG78	564.75HH		19	131	10.35	5.97	2.52		0.93	-1	.00	-5.	62	-7.4	3	-5.36*
14	AUG78	574.75HV		19	131	-4.20	-6.82	11.41	-1	2.54	-13	.88	-16.	21	-16.1	5	-19.45*
14	AUG78	58 H	R	19	131	.	0.67	0.53	0.78	4	.00	.	.	.	.	20.71*	
14	AUG78	59HLHCVC		19	133	.	280.1	226.9		.		.	.	.	.	*	
14	AUG78	510FLD S	N	19	130	12.9	17.3			.		.	.	.	.	*	
14	AUG78	511 LN S	M	19	131	12.9	17.3	21.2	24.4	2	1.5	27	.2	27.	9	*	
14	AUG78	512 LN S	M	19	131	12.9	17.3	21.2	24.4	2	1.5	27	.2	27.	9	*	
14	AUG78	513GLOPH	O	19	133	.	284.5	287.2		.		.	.	.	.	*	
14	AUG78	514 PRTS		19	133	26.8	.	1.555	1	.125		41.	75	35.5	6	*	

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14	AUG78	5113.3VV	19	232	3.10	1.80	-0.90	-	3.60	-1	.60	-5.	00	.	.	.	.
14	AUG78	52 1.6HH	19	230	.	.	.	.	.	.	.	.	.	.	.	.	.
14	AUG78	53 1.6HV	19	230	.	.	.	.	.	.	.	.	.	.	.	.	.
14	AUG78	54 .4HH	19	232	-10.90	-12.20	-11.20	-	1.30	-12	.70	-25.	10	.	.	.	.
14	AUG78	55 .4HV	19	232	-22.70	-25.50	-28.20	-1	8.00	-30	.30	-39.	70	.	.	.	.
14	AUG78	564.75HH	19	230	.	.	.	.	.	.	.	.	.	.	.	.	.
14	AUG78	574.75HV	19	230	.	.	.	.	.	.	.	.	.	.	.	.	.
14	AUG78	58 M	R	19	231	.	.	.	.	.	.	.	.	.	.	.	26.31*
14	AUG78	59HLHCVC	19	232	270.7	.	.	.	.	.	.	.	.	.	.	.	.
14	AUG78	510FLD S	M	19	230	12.9	17.3	.	.	.	.	.	.	.	.	.	.
14	AUG78	511 LN S	M	19	232	12.9	17.3	21.2	24.4	2	1.5	27	.2	27.	9	.	.
14	AUG78	512 LN S	M	19	232	12.9	17.3	21.2	24.4	2	1.5	27	.2	27.	9	.	.
14	AUG78	513CLDPM	O	19	232	278.3	.	.	.	.	.	.	.	.	.	.	.
14	AUG78	514 PRTS	19	232	25.5	.	.	.	.	.	.	.	.	.	.	.	.
17	AUG78	6113.3VV	19	131	4.40	2.40	-0.40	-	2.60	-1	.70	-5.	75	35.5	6	.	.
17	AUG78	62 1.6HH	19	131	0.50	-1.30	-0.30	-	2.50	-4	.40	-9.	40	-12.2	0	-5.90*	-14.20*
17	AUG78	63 1.6HV	19	131	-17.00	-18.10	-18.00	-1	8.20	-18	.90	-19.	10	-20.7	0	-21.20*	-21.20*
17	AUG78	64 .4HH	19	131	-12.40	-14.00	-14.50	-	0.60	-14	.90	-25.	70	-27.7	0	-23.50*	-23.50*
17	AUG78	65 .4HV	19	131	-26.23	-25.15	-25.74	-1	5.55	-29	.30	-39.	00	-38.1	9	-30.72*	-30.72*
17	AUG78	664.75HH	19	131	8.69	4.34	0.19	-	2.69	-4	.21	-7.	42	-8.2	2	-9.69*	-9.69*
17	AUG78	674.75HV	19	131	-4.62	-6.48	-12.14	-1	3.08	-14	.01	-16.	89	-17.6	1	-19.14*	-19.14*
17	AUG78	68 M	R	19	131	.	0.91	0.75	1.62	5	.95	.	.	.	.	.	27.25*
17	AUG78	69HLHCVC	19	131	.	278.0	284.0	.	.	.	.	.	.	.	.	.	.
17	AUG78	610FLD S	M	19	130	9.5	14.7	.	.	.	.	.	.	.	.	.	.
17	AUG78	611 LN S	M	19	131	9.5	14.7	18.5	21.3	1	8.6	25	.5	26.	0	.	.
17	AUG78	612 LN S	M	19	131	9.5	14.7	18.5	21.3	1	8.6	25	.5	26.	0	.	.
17	AUG78	613CLDPM	O	19	131	.	283.3	286.0	.	.	.	.	.	.	.	.	.
17	AUG78	614 PRTS	19	131	25.4	.	2.358	1	.130	.	.	41.	75	35.5	6	.	.
17	AUG78	6113.3VV	19	232	3.70	2.50	-0.10	-	2.50	-1	.80	-5.	30	.	.	.	.
17	AUG78	62 1.6HH	19	230	.	.	.	.	.	.	.	.	.	.	.	.	.
17	AUG78	63 1.6HV	19	230	.	.	.	.	.	.	.	.	.	.	.	.	.
17	AUG78	64 .4HH	19	232	-12.50	-13.00	-12.50	-	0.50	-13	.60	-24.	80	.	.	.	.
17	AUG78	65 .4HV	19	232	-27.70	-27.10	-30.00	-1	5.80	-29	.90	-41.	60	.	.	.	.
17	AUG78	664.75HH	19	230	.	.	.	.	.	.	.	.	.	.	.	.	.
17	AUG78	674.75HV	19	230	.	.	.	.	.	.	.	.	.	.	.	.	.
17	AUG78	68 M	R	19	231	.	.	.	.	.	.	.	.	.	.	.	27.25*
17	AUG78	69HLHCVC	19	232	276.3	.	.	.	.	.	.	.	.	.	.	.	.
17	AUG78	610FLD S	M	19	230	9.5	14.7	.	.	.	.	.	.	.	.	.	.
17	AUG78	611 LN S	M	19	232	9.5	14.7	18.5	21.3	1	8.5	25	.5	26.	0	.	.
17	AUG78	612 LN S	M	19	232	9.5	14.7	18.5	21.3	1	8.6	25	.5	26.	0	.	.
17	AUG78	613CLDPM	O	19	232	283.2	.	.	.	.	.	.	.	.	.	.	.
17	AUG78	614 PRTS	19	232	27.3	.	.	.	.	.	.	.	.	.	.	.	.
2	AUG78	1113.3VV	2A	121	-1.00	-2.40	-4.90	-	7.40	-7	.10	-41.	75	35.5	6	.	.
2	AUG78	12 1.6HH	2A	121	-10.70	-13.20	-14.30	-1	4.40	-15	.80	-17.	60	-19.3	0	.	.
2	AUG78	13 1.6HV	2A	121	-20.00	-22.10	-22.40	-2	1.50	-21	.20	-22.	70	-23.8	0	.	.
2	AUG78	14 .4HH	2A	121	-15.70	-22.60	-23.30	-2	5.60	-26	.20	-31.	50	-33.5	0	.	.
2	AUG78	15 .4HV	2A	121	-25.40	-31.50	-35.10	-3	6.00	-38	.20	-39.	90	-40.4	0	.	.
2	AUG78	164.75HH	2A	120	.	.	.	.	.	.	.	.	.	.	.	.	.
2	AUG78	174.75HV	2A	120	.	.	.	.	.	.	.	.	.	.	.	.	.
2	AUG78	18 M	L	2A	121	.	1.27	1.29	1.73	4	.91	.	.	.	.	.	26.73*
2	AUG78	19HLHCVC	2A	121	.	280.2	282.9	.	.	.	.	.	.	.	.	.	.
2	AUG78	110FLD S	M	2A	120	4.6	6.4	.	.	.	.	.	.	.	.	.	.
2	AUG78	111 LN S	M	2A	121	4.6	6.4	13.4	25.8	1	4.9	29	.0	28.	4	.	.
2	AUG78	112 LN S	M	2A	121	4.6	6.4	13.4	25.8	1	4.9	29	.0	28.	4	.	.
2	AUG78	113CLDPM	Y	2A	121	.	284.2	283.5	.	.	.	.	.	.	.	.	.
2	AUG78	114 PRTS	2A	121	24.1	.	1.154	1	.041	.	.	47.	35	45.1	8	.	.
2	AUG78	1113.3VV	2A	222	-1.00	-2.20	-4.60	-	7.70	-6	.80	-10.	30	-11.1	0	.	.
2	AUG78	12 1.6HH	2A	220	.	.	.	.	.	.	.	.	.	.	.	.	.
2	AUG78	13 1.6HV	2A	220	.	.	.	.	.	.	.	.	.	.	.	.	.

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LINE	ITEM	QTY	UNIT	PRICE	AMOUNT	TAX	TOTAL	DISC	NET	GRAND	AMOUNT	TAX	TOTAL	DISC	NET	GRAND	AMOUNT	TAX	TOTAL	DISC	NET	GRAND
11	AUG78	42	1.6HH	2X	110																	
11	AUG78	43	1.6HV	2X	110																	
11	AUG78	44	.4HH	2X	110																	
11	AUG78	45	.4HV	2X	110																	
11	AUG78	46	.75HH	2X	110																	
11	AUG78	47	.75HV	2X	110																	
11	AUG78	48	N	3	2X	111																
11	AUG78	49	HLHCVC	2X	111																	
11	AUG78	50	FLD S	M	2X	110																
11	AUG78	51	LN S	M	2X	111																
11	AUG78	52	LN S	M	2X	111																
11	AUG78	53	CLDPN	H	2X	111																
11	AUG78	54	PRYS	2X	111																	
11	AUG78	55	3VV	2X	112																	
11	AUG78	56	1.6HH	2X	110																	
11	AUG78	57	1.6HV	2X	110																	
11	AUG78	58	.4HH	2X	112																	
11	AUG78	59	.4HV	2X	112																	
11	AUG78	60	.75HH	2X	110																	
11	AUG78	61	.75HV	2X	110																	
11	AUG78	62	N	3	2X	111																
11	AUG78	63	HLHCVC	2X	112																	
11	AUG78	64	FLD S	M	2X	110																
11	AUG78	65	LN S	M	2X	112																
11	AUG78	66	LN S	M	2X	112																
11	AUG78	67	CLDPN	H	2X	112																
11	AUG78	68	PRYS	2X	112																	
11	AUG78	69	3VV	2X	113																	
11	AUG78	70	1.6HH	2X	113																	
11	AUG78	71	1.6HV	2X	113																	
11	AUG78	72	.4HH	2X	113																	
11	AUG78	73	.4HV	2X	113																	
11	AUG78	74	.75HH	2X	111																	
11	AUG78	75	.75HV																			

17	AUG78	65 .4HV	2X	111	-29.60	-34.60	-34.80	-2	4.60	-38	.00	-41	60	-40.7	0	-37.70*
17	AUG78	664.75HH	2X	111	3.93	-0.64	-3.27	-1	4.62	-3	.23	-3	59	-9.7	5	-11.65*
17	AUG78	674.75HV	2X	111	-5.60	-9.90	15.50	-1	7.90	-19	.20	-23	50	-24.8	0	-25.80*
17	AUG78	68 H	B	2X	111	.	0.66	0.98	1.04	2	.29	.	.	.	.	30.72*
17	AUG78	69HLHCVC	2X	111	.	285.2	292.5	.	.	.	.	.	.	.	.	*
17	AUG78	610FLD S	M	2X	110	5.0	6.2	.	.	.	.	.	.	.	.	*
17	AUG78	611 LN S	M	2X	111	4.9	6.4	8.6	18.2	1	4.2	25	.9	28.	0	*
17	AUG78	612 LN S	M	2X	111	4.9	6.4	8.6	18.2	1	4.2	25	.9	28.	0	*
17	AUG78	613OLDPM	H	2X	111	.	290.5	293.9	.	.	.	.	.	.	.	*
17	AUG78	614 PRT5	2X	111	29.6	.	0.092	9	.546	.	49.	24	45.1	6	.	*
17	AUG78	6113.3VV	2X	212	-2.70	-3.00	-4.80	-	7.40	-5	.80	-9.	00	-10.1	0	-11.60*
17	AUG78	62.1.6HH	2X	210	.	.	.	.	.	.	.	.	.	.	.	*
17	AUG78	63 1.6HV	2X	210	.	.	.	.	.	.	.	.	.	.	.	*
17	AUG78	63 .4HH	2X	212	-16.40	-16.30	11.60	.	0.40	-16	.27	-27.	40	-25.9	0	-13.84*
17	AUG78	65 .4HV	2X	212	-28.70	-31.50	34.40	-2	4.40	-37	.20	-48.	73	-42.0	0	-34.10*
17	AUG78	664.75HH	2X	210	.	.	.	.	.	.	.	.	.	.	.	*
17	AUG78	674.75HV	2X	210	.	.	.	.	.	.	.	.	.	.	.	*
17	AUG78	68 H	B	2X	211	.	.	.	.	.	.	.	.	.	.	30.72*
17	AUG78	69HLHCVC	2X	212	282.2	.	.	.	.	.	.	.	.	.	.	*
17	AUG78	610FLD S	M	2X	210	5.0	6.5	.	.	.	.	.	.	.	.	*
17	AUG78	611 LN S	M	2X	212	4.9	6.4	8.6	18.2	1	4.2	25	.9	28.	0	*
17	AUG78	612 LN S	M	2X	212	4.9	6.4	8.6	18.2	1	4.2	25	.9	28.	0	*
17	AUG78	613OLDPM	H	2X	212	289.5	.	.	.	.	.	.	.	.	.	*
17	AUG78	614 PRT5	2X	212	23.4	.	.	.	.	.	49.	24	45.1	6	.	*
2	AUG78	1113.3VV	2X	121	1.30	-0.10	-3.10	-1	5.20	-5	.60	-10.	10	-11.2	0	*
2	AUG78	12 1.6HH	2X	121	-2.30	-6.30	9.90	-1	0.60	-14	.20	-17.	20	-18.4	0	*
2	AUG78	13 1.6HV	2X	121	-20.20	-22.60	22.60	-2	2.60	-23	.90	-27.	70	-27.1	0	*
2	AUG78	14 .4HH	2X	121	-14.50	-14.30	19.10	-1	8.90	-22	.80	-31.	30	-30.5	0	*
2	AUG78	15 .4HV	2X	121	-26.30	-28.80	33.80	-3	6.20	-40	.00	-47.	10	-44.5	0	*
2	AUG78	164.75HH	2X	120	.	.	.	.	.	.	.	.	.	.	.	*
2	AUG78	174.75HV	2X	120	.	.	.	.	.	.	.	.	.	.	.	*
2	AUG78	18 H	B	2X	121	.	1.55	1.70	1.72	3	.66	.	.	.	.	26.56*
2	AUG78	19HLHCVC	2X	121	.	280.4	285.6	.	.	.	.	.	.	.	.	*
2	AUG78	110FLD S	M	2X	120	4.7	4.8	.	.	.	.	.	.	.	.	*
2	AUG78	111 LN S	M	2X	121	5.2	5.2	7.8	23.1	1	3.6	32	.9	34.	1	*
2	AUG78	112 LN S	M	2X	121	5.2	5.2	7.8	23.1	1	3.6	32	.9	34.	1	*
2	AUG78	113OLDPM	I	2X	121	.	283.9	286.6	.	.	.	.	.	.	.	*
2	AUG78	114 PRT5	2X	121	26.9	.	0.098	0	.943	.	49.	24	45.1	6	.	*
2	AUG78	1113.3VV	2X	222	0.80	0.10	-3.30	-	6.80	-6	.10	-9.	40	-10.5	0	-12.00*
2	AUG78	12 1.6HH	2X	220	.	.	.	.	.	.	.	.	.	.	.	*
2	AUG78	13 1.6HV	2X	220	.	.	.	.	.	.	.	.	.	.	.	*
2	AUG78	14 .4HH	2X	222	-10.40	-13.00	18.40	-1	6.60	-21	.80	-29.	70	-29.2	0	-29.80*
2	AUG78	15 .4HV	2X	222	-28.20	-28.90	33.50	-3	5.70	-39	.80	-47.	50	-43.7	0	-44.60*
2	AUG78	164.75HH	2X	222	7.72	2.41	-1.20	-	3.54	-5	.62	-8.	62	-11.9	5	-12.78*
2	AUG78	174.75HV	2X	222	-6.31	-9.92	14.90	-1	8.21	-19	.49	-23.	32	-23.9	9	-26.02*
2	AUG78	18 H	B	2X	221	.	.	.	.	.	.	.	.	.	.	28.56*
2	AUG78	19HLHCVC	2X	222	274.4	.	.	.	.	.	.	.	.	.	.	*
2	AUG78	110FLD S	M	2X	220	4.7	4.8	.	.	.	.	.	.	.	.	*
2	AUG78	111 LN S	M	2X	222	5.2	5.2	7.8	23.1	1	3.6	32	.9	34.	1	*
2	AUG78	112 LN S	M	2X	222	5.2	5.2	7.8	23.1	1	3.6	32	.9	34.	1	*
2	AUG78	113OLDPM	I	2X	222	279.5	.	.	.	.	.	.	.	.	.	*
2	AUG78	114 PRT5	2X	222	29.1	.	.	.	.	.	49.	24	45.1	6	.	*
5	AUG78	2113.3VV	2X	121	3.20	0.40	-2.40	-	5.90	-5	.00	-9.	90	-11.8	0	-12.80*
5	AUG78	22 1.6HH	2X	121	-2.00	-6.50	10.50	-1	1.40	-12	.60	-17.	10	-19.5	0	-21.20*
5	AUG78	23 1.6HV	2X	121	-12.80	-20.70	19.30	-2	0.00	-21	.70	-24.	30	-26.1	0	-26.40*
5	AUG78	24 .4HH	2X	121	-14.20	-14.50	21.90	-2	1.50	-23	.10	-30.	70	-30.6	0	-30.10*
5	AUG78	25 .4HV	2X	121	-29.70	-30.80	35.60	-3	6.70	-41	.70	-48.	60	-45.3	0	-44.60*
5	AUG78	264.75HH	2X	121	5.53	-0.23	-4.24	-	7.13	-7	.95	-10.	96	-11.5	3	-15.23*
5	AUG78	274.75HV	2X	121	-5.29	-9.74	17.29	-1	9.01	-21	.65	-24.	27	-24.1	3	-27.41*

5	AUG78	28 M	B	2X	121	.	1.38	1.49	1.65	3	.47	.	.	.	.	24.02*
5	AUG78	29HLMCVC		2X	121	.	273.2	278.4	.	.	.	.	.	.	.	.
5	AUG78	210FLD S	M	2X	120	5.5	5.6	.	.	.	.	.	.	.	.	.
5	AUG78	211 LN S	M	2X	121	6.0	5.5	8.4	22.4	1	3.1	32	.1	33.	7	.
5	AUG78	212 LN S	M	2X	121	6.0	5.5	8.4	22.4	1	3.1	32	.1	33.	7	.
5	AUG78	213OLDPM	I	2X	121	.	277.4	279.1	.	.	.	.	.	.	.	.
5	AUG78	214 PRTS		2X	121	22.7	.	0.133	0	.948	.	49.	24	45.1	6	.
5	AUG78	2113.3VV		2X	222	1.60	-0.10	-3.80	-	6.80	-6	.20	-9.	20	.	.
5	AUG78	22 1.6HH		2X	220	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	23 1.6HV		2X	220	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	24 .4HH		2X	222	-13.80	-17.10	-19.80	-2	1.30	-23	.50	-30.	90	.	.
5	AUG78	25 .4HV		2X	222	-22.50	-31.20	-35.00	-3	5.50	-40	.40	-47.	30	.	.
5	AUG78	264.75HH		2X	220	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	274.75HV		2X	220	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	28 M	B	2X	221	.	.	.	.	.	.	.	.	.	.	24.02*
5	AUG78	29HLMCVC		2X	222	273.2	.	.	.	.	.	.	.	.	.	.
5	AUG78	210FLD S	M	2X	220	5.5	5.6	.	.	.	.	.	.	.	.	.
5	AUG78	211 LN S	M	2X	222	6.0	5.5	8.4	22.4	1	3.1	32	.1	33.	7	.
5	AUG78	212 LN S	M	2X	222	6.0	5.5	8.4	22.4	1	3.1	32	.1	33.	7	.
5	AUG78	213OLDPM	I	2X	222	279.6	.	.	.	.	.	.	.	.	.	.
5	AUG78	214 PRTS		2X	222	23.5	.	.	.	.	.	49.	24	45.1	6	.
5	AUG78	3113.3VV		2X	121	5.90	4.30	0.40	-	2.70	-2	.30	-6.	90	-8.7	0
5	AUG78	32 1.6HH		2X	121	5.70	-0.20	-3.90	-	5.00	-9	.00	-11.	40	-14.0	0
5	AUG78	33 1.6HV		2X	121	-17.20	-15.80	-18.70	-2	7.60	-21	.70	-23.	12	-22.	0
5	AUG78	34 .4HH		2X	121	-13.17	-12.90	-19.10	-2	1.40	-24	.80	-31.	70	-29.9	0
5	AUG78	35 .4HV		2X	121	-26.10	-30.80	-37.70	-4	3.28	-40	.30	-53.	95	-48.8	8
5	AUG78	364.75HH		2X	121	8.66	5.08	0.56	-	2.58	-3	.71	-5.	69	-8.6	8
5	AUG78	374.75HV		2X	121	-1.91	-9.64	-13.89	-1	4.55	-17	.28	-19.	94	-19.1	0
5	AUG78	38 M	B	2X	121	.	1.20	1.30	3.50	6	.35	.	.	.	.	20.56*
5	AUG78	39HLMCVC		2X	121	.	252.3	255.3	.	.	.	.	.	.	.	.
5	AUG78	310FLD S	M	2X	120	10.0	5.6	.	.	.	.	.	.	.	.	.
5	AUG78	311 LN S	M	2X	121	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	312 LN S	M	2X	121	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	313OLDPM	I	2X	121	.	257.4	256.9	.	.	.	.	.	.	.	.
5	AUG78	314 PRTS		2X	121	18.4	.	1.927	1	.077	.	49.	24	45.1	6	.
5	AUG78	3113.3VV		2X	222	5.30	4.10	0.10	-	3.23	-2	.90	-7.	20	-9.8	0
5	AUG78	32 1.6HH		2X	220	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	33 1.6HV		2X	220	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	34 .4HH		2X	222	-10.40	-13.10	-18.30	-1	8.10	-19	.80	-28.	60	-26.4	0
5	AUG78	35 .4HV		2X	222	-24.90	-22.60	-34.90	-3	8.58	-45	.10	-51.	50	-48.3	0
5	AUG78	364.75HH		2X	220	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	374.75HV		2X	220	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	38 M	B	2X	221	.	.	.	.	.	.	.	.	.	.	20.56*
5	AUG78	39HLMCVC		2X	222	245.7	.	.	.	.	.	.	.	.	.	.
5	AUG78	310FLD S	M	2X	220	10.0	5.6	.	.	.	.	.	.	.	.	.
5	AUG78	311 LN S	M	2X	222	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	312 LN S	M	2X	222	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	313OLDPM	I	2X	222	249.6	.	.	.	.	.	.	.	.	.	.
5	AUG78	314 PRTS		2X	222	19.9	.	.	.	.	.	49.	24	45.1	6	.
11	AUG78	4113.3VV		2X	120	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	42 1.6HH		2X	120	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	43 1.6HV		2X	120	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	44 .4HH		2X	120	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	45 .4HV		2X	120	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	464.75HH		2X	120	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	474.75HV		2X	120	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	48 M	B	2X	121	.	1.61	1.75	1.87	3	.95	.	.	.	.	39.02*
11	AUG78	49HLMCVC		2X	121	.	289.5	294.6	.	.	.	.	.	.	.	.
11	AUG78	411FLD S	M	2X	120	5.1	.	.	.	.	.	.	.	.	.	.

11	AUG78	411 LN S	M	2X	121	5.4	5.6	3.3	21.8	1	2.5	31	.8	34.	0	*
11	AUG78	412 LN S	M	2X	121	5.4	5.6	3.3	21.8	1	2.5	31	.8	34.	0	*
11	AUG78	413OLDPM	I	2X	121	.	293.3	297.2								*
11	AUG78	414 PRIS	I	2X	121	36.9		0.088	0	.941		49.	24	45.1	6	*
11	AUG78	4113.3VV		2X	220	.	.	.	.	.	.	.	.	.	.	*
11	AUG78	42 1.6HH		2X	220	.	.	.	.	.	.	.	.	.	.	*
11	AUG78	43 1.6HV		2X	220	.	.	.	.	.	.	.	.	.	.	*
11	AUG78	44 .4HH		2X	220	.	.	.	.	.	.	.	.	.	.	*
11	AUG78	44 .4HV		2X	220	.	.	.	.	.	.	.	.	.	.	*
11	AUG78	464.75HH		2X	220	.	.	.	.	.	.	.	.	.	.	*
11	AUG78	474.75HV		2X	220	.	.	.	.	.	.	.	.	.	.	*
11	AUG78	48 H	B	2X	221	.	.	.	.	.	.	.	.	.	39.82*	*
11	AUG78	49HLHCVC		2X	222	282.4	.	.	.	.	.	.	.	.	.	*
11	AUG78	410FLD S	M	2X	220	5.1	5.5	.	.	.	.	.	.	.	.	*
11	AUG78	411 LN S	M	2X	222	5.3	5.6	8.1	20.5	1	3.4	29	.5	31.	4	*
11	AUG78	412 LN S	M	2X	222	5.3	5.6	8.1	20.5	1	3.4	29	.5	31.	4	*
11	AUG78	413OLDPM	I	2X	222	290.9	.	.	.	.	.	.	.	.	.	*
11	AUG78	414 PRIS	I	2X	222	38.4	.	.	.	.	.	49.	24	45.1	6	*
14	AUG78	5113.3VV		2X	123	3.20	1.10	-3.30	4.90	-5	.00	-10.	10	-10.8	0	-11.10*
14	AUG78	52 1.6HH		2X	123	-4.10	-7.60	10.40	1.40	-12	.70	-17.	70	-20.4	0	-22.90*
14	AUG78	53 1.6HV		2X	123	-20.10	-23.90	22.60	3.40	-24	.60	-26.	20	-26.7	0	-29.30*
14	AUG78	54 .4HH		2X	123	-11.80	-13.78	19.80	0.64	-20	.28	-26.	60	-28.6	8	-29.44*
14	AUG78	55 .4HV		2X	123	-26.57	-28.27	33.13	4.97	-38	.65	-43.	45	-43.4	3	-41.90*
14	AUG78	564.75HH		2X	120	.	.	.	.	.	.	.	.	.	.	*
14	AUG78	574.75HV		2X	120	.	.	.	.	.	.	.	.	.	.	*
14	AUG78	58 H	B	2X	121	.	1.44	1.60	1.89	4	.00	.	.	.	30.25*	*
14	AUG78	59HLHCVC		2X	123	.	286.3	292.4	.	.	.	.	.	.	.	*
14	AUG78	510FLD S	M	2X	120	4.2	4.9	.	.	.	.	.	.	.	.	*
14	AUG78	511 LN S	M	2X	121	4.6	5.2	8.3	21.6	1	2.3	31	.5	34.	0	*
14	AUG78	512 LN S	M	2X	121	4.6	5.2	8.3	21.6	1	2.3	31	.5	34.	0	*
14	AUG78	513OLDPM	I	2X	123	.	290.5	292.7	.	.	.	.	.	.	.	*
14	AUG78	514 PRIS	I	2X	123	32.9	.	0.292	0	.964		49.	24	45.1	6	*
14	AUG78	5113.3VV		2X	222	3.10	1.00	-2.80	4.90	-4	.70	-9.	80	-10.5	0	-12.30*
14	AUG78	52 1.6HH		2X	220	.	.	.	.	.	.	.	.	.	.	*
14	AUG78	53 1.6HV		2X	220	.	.	.	.	.	.	.	.	.	.	*
14	AUG78	54 .4HH		2X	222	-12.10	-13.30	19.90	0.60	-22	.10	-30.	60	-28.0	0	-28.30*
14	AUG78	55 .4HV		2X	222	-23.60	-26.30	34.60	5.50	-39	.50	-43.	70	-41.8	0	-41.10*
14	AUG78	564.75HH		2X	222	7.00	2.16	-2.19	5.26	-6	.22	-11.	18	-12.1	4	-14.15*
14	AUG78	574.75HV		2X	222	-4.48	-9.22	16.68	7.61	-20	.15	-22.	14	-23.7	3	-27.44*
14	AUG78	58 H	B	2X	221	.	.	.	.	.	.	.	.	.	30.25*	*
14	AUG78	59HLHCVC		2X	221	278.9	.	.	.	.	.	.	.	.	.	*
14	AUG78	510FLD S	M	2X	220	4.2	4.9	.	.	.	.	.	.	.	.	*
14	AUG78	511 LN S	M	2X	222	4.6	5.2	8.3	21.6	1	2.3	31	.5	34.	0	*
14	AUG78	512 LN S	M	2X	222	4.6	5.2	8.3	21.6	1	2.3	31	.5	34.	0	*
14	AUG78	513OLDPM	I	2X	222	286.1	.	.	.	.	.	.	.	.	.	*
14	AUG78	514 PRIS	I	2X	222	30.7	.	.	.	.	.	49.	24	45.1	6	*
17	AUG78	6113.3VV		2X	121	-1.80	-3.20	-5.20	7.20	-5	.80	-7.	50	-9.2	0	-10.90*
17	AUG78	62 1.6HH		2X	121	-3.70	-6.00	-7.40	4.10	-5	.30	-4.	50	-7.7	0	-15.50*
17	AUG78	63 1.6HV		2X	121	-17.90	-20.20	19.60	8.00	-19	.70	-21.	40	-20.7	0	-25.00*
17	AUG78	64 .4HH		2X	121	-15.50	-15.20	13.90	0.20	-16	.30	-25.	50	-26.6	0	-18.10*
17	AUG78	65 .4HV		2X	121	-27.07	-30.42	33.82	7.12	-29	.77	-44.	32	-47.6	2	-40.00*
17	AUG78	664.75HH		2X	121	4.63	1.37	-2.53	5.07	-4	.26	-6.	52	-10.9	5	-12.39*
17	AUG78	674.75HV		2X	121	-4.58	-10.05	14.78	6.74	-18	.01	-22.	01	-22.8	2	-24.77*
17	AUG78	68 H	B	2X	121	.	0.93	1.04	1.12	2	.42	.	.	.	32.29*	*
17	AUG78	69HLHCVC		2X	121	.	287.1	292.9	.	.	.	.	.	.	.	*
17	AUG78	610FLD S	M	2X	120	5.0	6.2	.	.	.	.	.	.	.	.	*
17	AUG78	611 LN S	M	2X	121	5.3	5.9	7.9	20.8	1	1.3	31	.1	34.	0	*
17	AUG78	612 LN S	M	2X	121	5.3	5.9	7.9	20.8	1	1.3	31	.1	34.	0	*
17	AUG78	613OLDPM	I	2X	121	.	492.2	295.3	.	.	.	.	.	.	.	*

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17	AUG78	614 PRTS	2X	121	31.5		0.052	0	.948		49.	24	45.1	6	*
17	AUG78	6113.3VV	2X	222	-2.60	-3.20	-5.30	-	7.20	-6	.00	-8.	70	-9.9	0 -11.10*
17	AUG78	62 1.6HH	2X	220	.	.	.	.	.	.	.	.	.	.	*
17	AUG78	63 1.6HV	2X	220	.	.	.	.	.	.	.	.	.	.	*
17	AUG78	64 1.6HH	2X	222	-15.50	-15.10	-13.50	-	0.50	-16	.50	-25.	90	-26.9	0 -16.30*
17	AUG78	65 1.4HV	2X	222	-30.50	-22.20	-31.50	-2	0.02	-36	.00	-46.	00	-43.6	0 -39.70*
17	AUG78	654.75HH	2X	220	.	.	.	.	.	.	.	.	.	.	*
17	AUG78	674.75HV	2X	220	.	.	.	.	.	.	.	.	.	.	*
17	AUG78	68 M	2	2X	221	.	.	.	.	.	.	.	.	.	32.29*
17	AUG78	69HLHCVC	2X	222	279.9	.	.	.	.	.	.	.	.	.	*
17	AUG78	610FLD S	M	2X	220	5.0	6.2	.	.	.	.	.	.	.	*
17	AUG78	611 LN S	M	2X	222	5.3	5.9	7.9	20.8	1	1.3	31	.1	34.	0
17	AUG78	612 LN S	M	2X	222	5.3	5.9	7.9	20.2	1	1.3	31	.1	34.	0
17	AUG78	613OLDPH	I	2X	222	287.4	.	.	.	.	.	.	.	.	*
17	AUG78	614 PRTS	2X	222	34.5	.	.	.	.	.	.	.	.	.	*
2	AUG78	1113.3VV	2X	141	1.00	-1.30	-5.70	-	7.60	-6	.80	-11.	20	-11.2	0 -12.20*
2	AUG78	12 1.6HH	2X	141	-7.20	-10.50	-13.10	-1	4.70	-16	.50	-19.	60	-20.5	0 -22.60*
2	AUG78	13 1.6HV	2X	141	-20.90	-22.40	-25.00	-2	6.00	-24	.30	-29.	80	-29.4	0 -30.30*
2	AUG78	14 1.4HH	2X	141	-18.25	-20.85	-21.20	-2	3.10	-24	.70	-31.	60	-29.9	0 -32.80*
2	AUG78	15 1.4HV	2X	141	-27.50	-22.70	-37.80	-4	0.00	-43	.60	-47.	80	-49.4	0 -48.90*
2	AUG78	164.75HH	2X	140	.	.	.	.	.	.	.	.	.	.	*
2	AUG78	174.75HV	2X	140	.	.	.	.	.	.	.	.	.	.	*
2	AUG78	18 M	2X	141	.	.	.	.	.	.	.	.	.	.	28.56*
2	AUG78	19HLHCVC	2X	141	.	280.7	286.3	.	.	.	.	.	.	.	*
2	AUG78	110FLD S	M	2X	140	4.7	5.2	.	.	.	.	.	.	.	*
2	AUG78	111 LN S	M	2X	141	4.7	4.8	7.3	19.5	1	3.6	29	.4	31.	3
2	AUG78	112 LN S	M	2X	141	4.7	4.8	7.3	19.5	1	3.6	29	.4	31.	3
2	AUG78	113OLDPH	J	2X	141	.	283.5	286.5	.	.	.	.	.	.	*
2	AUG78	114 PRTS	2X	141	27.3	.	.	.	.	.	.	.	.	.	*
2	AUG78	1113.3VV	2X	242	0.90	-1.40	-6.10	-	6.70	-7	.00	-10.	24	45.1	6
2	AUG78	12 1.6HH	2X	240	.	.	.	.	.	.	.	.	.	.	*
2	AUG78	13 1.6HV	2X	240	.	.	.	.	.	.	.	.	.	.	*
2	AUG78	14 1.4HH	2X	242	-14.10	-17.80	-21.00	-2	3.00	-23	.40	-32.	00	-31.3	0 -32.00*
2	AUG78	15 1.4HV	2X	242	-24.90	-26.40	-34.40	-3	9.10	-42	.00	-46.	20	-46.8	0 -45.40*
2	AUG78	164.75HH	2X	240	.	.	.	.	.	.	.	.	.	.	*
2	AUG78	174.75HV	2X	240	.	.	.	.	.	.	.	.	.	.	*
2	AUG78	18 M	2X	241	.	.	.	.	.	.	.	.	.	.	28.56*
2	AUG78	19HLHCVC	2X	242	273.1	.	.	.	.	.	.	.	.	.	*
2	AUG78	110FLD S	M	2X	240	4.7	4.8	.	.	.	.	.	.	.	*
2	AUG78	111 LN S	M	2X	242	4.7	4.8	7.3	19.5	1	3.6	29	.4	31.	3
2	AUG78	112 LN S	M	2X	242	4.7	4.8	7.3	19.5	1	3.6	29	.4	31.	3
2	AUG78	113OLDPH	J	2X	242	277.2	.	.	.	.	.	.	.	.	*
2	AUG78	114 PRTS	2X	242	29.5	.	.	.	.	.	.	.	.	.	*
5	AUG78	2113.3VV	2X	141	17.10	-0.40	-3.90	-	7.40	-6	.50	-9.	70	.	*
5	AUG78	22 1.6HH	2X	141	-4.50	-7.90	-11.30	-1	3.10	-14	.70	-17.	30	.	*
5	AUG78	23 1.6HV	2X	141	-18.50	-19.90	-22.60	-2	2.60	-23	.90	-25.	70	.	*
5	AUG78	24 1.4HH	2X	141	-12.93	-15.40	-21.00	-2	3.20	-25	.30	-33.	80	.	*
5	AUG78	25 1.4HV	2X	141	-25.12	-26.81	-35.48	-3	6.83	-42	.22	-50.	05	.	*
5	AUG78	254.75HH	2X	140	.	.	.	.	.	.	.	.	.	.	*
5	AUG78	274.75HV	2X	140	.	.	.	.	.	.	.	.	.	.	*
5	AUG78	28 M	2X	141	.	.	.	.	.	.	.	.	.	.	24.02*
5	AUG78	29HLHCVC	2X	141	.	275.8	280.5	.	.	.	.	.	.	.	*
5	AUG78	210FLD S	M	2X	140	5.5	5.6	.	.	.	.	.	.	.	*
5	AUG78	211 LN S	M	2X	141	5.8	5.9	7.9	18.7	1	3.6	30	.0	32.	6
5	AUG78	212 LN S	M	2X	141	5.8	5.9	7.9	18.7	1	3.6	30	.0	32.	6
5	AUG78	213OLDPH	J	2X	141	.	279.7	281.0	.	.	.	.	.	.	*
5	AUG78	214 PRTS	2X	141	22.7	.	.	.	.	.	.	.	.	.	*
5	AUG78	2113.3VV	2X	242	0.40	-1.40	-4.90	-	7.80	-7	.20	-11.	10	.	*
5	AUG78	22 1.6HH	2X	240	.	.	.	.	.	.	.	.	.	.	*

ORIGINAL PROPERTY  
OF POOR QUALITY

5	AUG78	23	1.6HV	2X	240	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.</
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123

LINE	ITEM	QTY	UNIT	PRICE	TOTAL	TAX	SUBTOTAL	DISC	NET	PAY	BALANCE
17	AUG78 69HLHCVC	2X	242	282.6	.	.	.	.	.	.	.
17	AUG78 610FLD S	M	2X	240	5.0	6.2	.	.	.	.	.
17	AUG78 611 LN S	M	2X	242	5.0	6.2	.	.	.	.	.
17	AUG78 612 LN S	M	2X	242	5.0	6.2	8.3	19.3	1	2.9	28 .2 30. 0
17	AUG78 613OLDPM	J	2X	242	250.3	.	.	.	.	.	.
17	AUG78 614 PRIS	2X	242	34.9	.	.	.	.	.	.	.
2	AUG78 1113.3VV	20	131	9.60	7.80	2.10	-	0.10	0	.10	49. 24 45.1 6
2	AUG78 12 1.6HH	20	131	7.90	5.90	3.20	.	4.00	.	.10	27 -47.6 0 -8.00*
2	AUG78 13 1.6HV	20	131	-14.50	-13.40	12.10	-1	1.20	-13	.10	20 -8.0 0 -9.90*
2	AUG78 14 .4HH	20	131	-14.47	-16.17	10.01	-2	1.20	-21	.10	80 -18.1 0 -18.10*
2	AUG78 15 .4HV	20	131	-25.29	-28.16	30.49	-3	2.58	-35	.68	20 -26.9 0 -22.70*
2	AUG78 164.7SHH	20	130	.	.	.	.	.	.	.	20 -39.4 2 -34.42*
2	AUG78 174.7SHV	20	130	.	.	.	.	.	.	.	.
2	AUG78 18 M	R	20	131	0.83	0.54	.	1.67	6	.92	.
2	AUG78 19HLHCVC	20	131	243.9	247.3	.	.	.	.	.	22.49*
2	AUG78 110FLD S	M	20	130	27.6	24.6	.	.	.	.	.
2	AUG78 111 LN S	M	20	131	.	.	.	.	.	.	.
2	AUG78 112 LN S	M	20	131	.	.	.	.	.	.	.
2	AUG78 113OLDPM	O	20	131	248.3	248.5	.	.	.	.	.
2	AUG78 114 PRIS	20	131	21.0	3.134	1	.164	.	.	40.	15 35.9 1
2	AUG78 1113.3VV	20	232	12.20	9.40	2.50	-	0.30	-0	.70	30 -8.2 0 -8.40*
2	AUG78 12 1.6HH	20	230	.	.	.	.	.	.	.	.
2	AUG78 13 1.6HV	20	230	.	.	.	.	.	.	.	.
2	AUG78 14 .4HH	20	232	-10.30	-13.50	-7.80	-1	6.40	-18	.30	10 -25.0 0 -15.90*
2	AUG78 15 .4HV	20	232	-23.60	-26.50	29.70	-3	1.80	-31	.10	40 -37.3 0 -32.90*
2	AUG78 164.7SHH	20	232	14.73	15.35	11.37	.	7.39	4	.23	90 -2.9 0 -6.29*
2	AUG78 174.7SHV	20	232	-2.56	-2.28	-8.01	-	8.35	-9	.84	06 -13.8 7 -17.55*
2	AUG78 18 M	R	20	231	.	.	.	.	.	.	22.49*
2	AUG78 19HLHCVC	20	232	224.9	.	.	.	.	.	.	.
2	AUG78 110FLD S	M	20	230	27.6	24.6	.	.	.	.	.
2	AUG78 111 LN S	M	20	232	.	.	.	.	.	.	.
2	AUG78 112 LN S	M	20	232	.	.	.	.	.	.	.
2	AUG78 113OLDPM	O	20	232	223.1	.	.	.	.	.	.
2	AUG78 114 PRIS	20	232	22.2	.	.	.	.	.	40.	15 35.9 1
5	AUG78 2113.3VV	20	131	7.90	5.00	1.50	-	2.30	-2	.10	80 -7.4 0 -6.20*
5	AUG78 22 1.6HH	20	131	4.20	2.10	-0.20	-	0.10	-4	.30	80 -11.9 0 -14.00*
5	AUG78 23 1.6HV	20	131	-13.20	-14.30	12.30	-1	1.10	-12	.40	80 -16.4 0 -17.20*
5	AUG78 24 .4HH	20	131	-13.02	-13.90	-8.59	-1	9.60	-21	.30	70 -26.1 0 -22.60*
5	AUG78 25 .4HV	20	131	-26.06	-25.40	26.20	-3	1.60	-33	.40	60 -40.1 0 -35.20*
5	AUG78 264.7SHH	20	131	10.09	8.70	3.52	.	1.61	6	.00	99 -7.4 9 -8.53*
5	AUG78 274.7SHV	20	131	-1.04	-6.61	-9.08	-1	1.04	-10	.99	89 -16.7 1 -18.53*

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5	AUG78	212 LN S	M	20	232	29.1	30.7	31.3	38.9	3	3.7	35	.5	34.	4	*
5	AUG78	213OLDPM	Q	20	232	257.4	.	.	.	.	.	40.	15	35.9	1	*
5	AUG78	214 PRTS		20	232	19.7	.	.	.	.	.	40.	15	35.9	1	*
8	AUG78	3113.3VV		20	131	10.30	8.50	3.50	1.50	-1	.10	-5.	30	-6.7	0	-6.40*
8	AUG78	32 1.6HH		20	131	7.20	5.00	2.20	2.70	-1	.50	-6.	70	-9.4	0	-12.60*
8	AUG78	33 1.6HV		20	131	-14.10	-14.40	-12.90	2.70	-13	.40	-17.	10	-18.0	0	-18.40*
8	AUG78	34 .4HH		20	131	-11.55	-13.10	-7.30	6.60	-19	.90	-26.	30	-26.7	0	-21.20*
8	AUG78	35 .4HV		20	131	-23.30	-25.00	28.60	3.30	-38	.20	-39.	10	-39.0	0	-38.20*
8	AUG78	364.75HH		20	130	21.00	19.00	15.30	1.70	10	.20	3.	50	0.9	0	-0.50*
8	AUG78	374.75HV		20	130	14.50	-12.50	9.30	7.60	7	.20	1.	90	0.7	0	-1.20*
8	AUG78	38 M	R	20	131	.	0.65	0.40	1.20	5	.65	.	.	.	.	19.28*
8	AUG78	39HLHCVC		20	131	.	250.5	256.1	.	.	.	.	.	.	.	*
8	AUG78	310FLD S	M	20	130	33.0	28.6	.	.	.	.	.	.	.	.	*
8	AUG78	311 LN S	M	20	131	23.0	28.6	29.5	32.4	3	0.8	30	.6	29.	4	*
8	AUG78	312 LN S	M	20	131	23.0	28.6	29.5	32.4	3	0.8	30	.6	29.	4	*
8	AUG78	313OLDPM		20	131	.	255.6	257.8	.	.	.	.	.	.	.	*
8	AUG78	314 PRTS	O	20	131	17.9	.	2.607	1	.170	.	40.	15	35.9	1	*
8	AUG78	3113.3VV		20	232	10.60	8.40	3.40	1.10	-1	.40	-6.	50	-6.7	0	-7.60*
8	AUG78	32 1.6HH		20	230	.	.	.	.	.	.	.	.	.	.	*
8	AUG78	33 1.6HV		20	230	.	.	.	.	.	.	.	.	.	.	*
8	AUG78	34 .4HH		20	232	-10.00	-9.60	-5.30	5.30	-18	.20	-23.	20	-23.6	0	-20.10*
8	AUG78	35 .4HV		20	232	-22.20	-25.20	26.70	3.00	-35	.90	-40.	10	-38.6	0	-36.60*
8	AUG78	364.75HH		20	230	.	.	.	.	.	.	.	.	.	.	*
8	AUG78	374.75HV		20	250	.	.	.	.	.	.	.	.	.	.	*
8	AUG78	38 M	R	20	231	.	.	.	.	.	.	.	.	.	.	15.28*
8	AUG78	39HLHCVC		20	232	229.7	.	.	.	.	.	.	.	.	.	*
8	AUG78	310FLD S	M	20	230	33.0	28.6	.	.	.	.	.	.	.	.	*
8	AUG78	311 LN S	M	20	232	27.1	32.2	32.7	35.1	3	3.8	33	.7	32.	9	*
8	AUG78	312 LN S	M	20	232	27.1	32.2	32.7	35.1	3	3.8	33	.7	32.	9	*
8	AUG78	313OLDPM	O	20	232	243.7	.	.	.	.	.	.	.	.	.	*
8	AUG78	314 PRTS		20	232	18.6	.	.	.	.	.	40.	15	35.9	1	*
11	AUG78	3113.3VV		20	131	7.30	6.50	2.40	2.30	-1	.70	-5.	90	-6.5	0	-6.30*
11	AUG78	42 1.6HH		20	131	2.80	2.90	0.60	0.50	-2	.50	-8.	30	-11.2	0	-13.20*
11	AUG78	43 1.6HV		20	131	-14.00	-14.80	15.10	4.00	-15	.20	-16.	70	-19.0	0	-18.80*
11	AUG78	44 .4HH		20	131	-6.00	-10.00	-4.90	3.70	-15	.40	-22.	20	-22.8	0	-20.30*
11	AUG78	45 .4HV		20	131	-19.74	-22.56	19.95	8.03	-31	.35	-36.	45	-34.9	5	-32.68*
11	AUG78	464.75HH		20	130	23.30	22.00	18.10	5.10	13	.00	8.	00	5.1	0	4.10*
11	AUG78	474.75HV		20	130	15.00	9.30	7.90	5.40	4	.80	-0.	10	-0.6	0	-2.20*
11	AUG78	48 M	R	20	131	.	0.63	0.54	1.64	6	.90	.	.	.	.	27.96*
11	AUG78	49HLHCVC		20	131	.	266.5	272.6	.	.	.	.	.	.	.	*
11	AUG78	410FLD S	M	20	130	26.0	25.1	.	.	.	.	.	.	.	.	*
11	AUG78	411 LN S	M	20	131	25.1	25.7	30.0	34.3	2	8.3	32	.0	32.	1	*
11	AUG78	412 LN S	M	20	131	25.1	25.7	30.0	34.3	2	8.3	32	.0	32.	1	*
11	AUG78	413OLDPM	O	20	131	.	270.4	273.4	.	.	.	.	.	.	.	*
11	AUG78	414 PRTS		20	131	26.0	.	3.124	1	.154	.	40.	15	35.9	1	*
11	AUG78	3113.3VV		20	232	7.40	6.60	2.70	1.70	-1	.30	-6.	90	-6.5	0	-7.50*
11	AUG78	42 1.6HH		20	230	.	.	.	.	.	.	.	.	.	.	*
11	AUG78	43 1.6HV		20	230	.	.	.	.	.	.	.	.	.	.	*
11	AUG78	44 .4HH		20	232	-9.70	-9.60	-5.90	4.90	-15	.30	-21.	70	-23.3	0	-20.10*
11	AUG78	45 .4HV		20	232	-21.50	-21.90	18.30	7.80	-29	.60	-34.	10	-33.4	0	-30.70*
11	AUG78	464.75HH		20	230	.	.	.	.	.	.	.	.	.	.	*
11	AUG78	474.75HV		20	230	.	.	.	.	.	.	.	.	.	.	*
11	AUG78	48 M	R	20	231	.	.	.	.	.	.	.	.	.	.	27.96*
11	AUG78	49HLHCVC		20	232	253.1	.	.	.	.	.	.	.	.	.	*
11	AUG78	410FLD S	M	20	230	26.0	25.1	.	.	.	.	.	.	.	.	*
11	AUG78	411 LN S	M	20	232	20.6	23.7	27.8	31.3	2	6.8	30	.1	30.	1	*
11	AUG78	412 LN S	M	20	232	20.6	23.7	27.8	31.3	2	6.8	30	.1	30.	1	*
11	AUG78	413OLDPM	O	20	232	260.2	.	.	.	.	.	.	.	.	.	*
11	AUG78	414 PRTS		20	232	26.8	.	.	.	.	.	40.	15	35.9	1	*

14	AUG78	5113.3VV	20	133	5.50	3.80	-0.50	-	3.40	-1	.90	-5.	80	-5.4	0	-6.60*	
14	AUG78	52 1.6HH	20	133	0.22	-0.80	-3.50	-1	3.00	-5	.20	-12.	00	-14.3	0	-14.70*	
14	AUG78	53 1.6HV	20	133	-16.60	-17.20	-17.00	-1	6.90	-18	.60	-19.	40	-20.8	0	-20.60*	
14	AUG78	54 .4HH	20	133	-10.90	-12.30	-5.10	-1	5.00	-18	.60	-20.	90	-24.6	0	-23.42*	
14	AUG78	55 .4HV	20	133	-24.95	-25.30	-25.10	-3	1.20	-32	.70	-38.	20	-32.8	0	-32.50*	
14	AUG78	554.75HH	20	131	5.26	8.18	3.20	-	0.42	-2	.65	-7.	01	-8.1	6	-9.02*	
14	AUG78	574.75HV	20	131	-3.98	-6.35	10.07	-1	1.73	-13	.53	-16.	51	-17.2	1	-19.56*	
14	AUG78	58 M	R	20	131	.	0.67	0.46	1.55	6	.06	.	.	.	.	26.29*	
14	AUG78	59HLHCVC		20	133	.	279.7	285.3	.	.	.	.	.	.	.	*	
14	AUG78	510FLD S	H	20	130	12.1	12.7	.	.	.	.	.	.	.	.	*	
14	AUG78	511 LN S	M	20	131	12.1	16.7	22.4	28.7	2	2.4	29	.1	28.	2	*	
14	AUG78	512 LN S	M	20	131	12.1	16.7	22.4	28.7	2	2.4	29	.1	28.	2	*	
14	AUG78	513OLDPM	O	20	133	.	284.6	287.1	.	.	.	.	.	.	.	*	
14	AUG78	514 PRTS		20	133	26.3	.	2.760	1	.166	.	40.	15	35.9	1	*	
14	AUG78	5113.3VV		20	232	4.80	3.20	-0.60	-	3.30	-2	.50	-5.	20	-5.6	0	-5.00*
14	AUG78	52 1.6HH		20	230	.	.	.	.	.	.	.	.	.	.	*	
14	AUG78	53 1.6HV		20	230	.	.	.	.	.	.	.	.	.	.	*	
14	AUG78	54 .4HH		20	232	-9.80	-11.30	-5.40	-1	5.20	-18	.10	-23.	20	-24.4	0	-21.60*
14	AUG78	55 .4HV		20	232	-24.30	-25.60	-22.90	-3	0.90	-31	.60	-37.	70	-37.2	0	-32.30*
14	AUG78	564.75HH		20	230	.	.	.	.	.	.	.	.	.	.	*	
14	AUG78	574.75HV		20	230	.	.	.	.	.	.	.	.	.	.	*	
14	AUG78	58 M	R	20	231	.	.	.	.	.	.	.	.	.	.	26.29*	
14	AUG78	59HLHCVC		20	232	271.5	.	.	.	.	.	.	.	.	.	*	
14	AUG78	510FLD S	M	20	230	12.1	12.7	.	.	.	.	.	.	.	.	*	
14	AUG78	511 LN S	M	20	232	12.1	16.7	22.4	28.7	2	2.4	29	.1	28.	2	*	
14	AUG78	512 LN S	M	20	232	12.1	12.7	22.4	28.7	2	2.4	29	.1	28.	2	*	
14	AUG78	513OLDPM	O	20	232	278.1	.	.	.	.	.	.	.	.	.	*	
14	AUG78	514 PRTS		20	232	25.3	.	.	.	.	.	.	.	.	.	*	
14	AUG78	5113.3VV		20	131	12.80	8.20	2.10	-	0.70	-0	.30	40.	15	35.9	1	-6.50*
14	AUG78	52 1.6HH		20	131	5.80	5.50	3.30	-	2.80	-1	.80	00	-9.2	0	-12.40*	
14	AUG78	53 1.6HV		20	131	-14.00	-13.20	13.30	-1	3.60	-14	.30	50	-17.6	0	-12.20*	
14	AUG78	54 .4HH		20	131	-11.05	-11.70	-5.50	-1	5.90	-15	.60	93	-24.1	0	-23.00*	
14	AUG78	55 .4HV		20	131	-23.30	-24.00	20.90	-2	7.80	-28	.30	30	-33.6	0	-29.50*	
14	AUG78	564.75HH		20	131	12.95	11.23	5.54	-	1.75	-0	.39	78	-5.6	3	-8.65*	
14	AUG78	574.75HV		20	131	-2.21	-1.96	-8.62	-	8.90	-11	.29	51	-13.6	8	-17.41*	
14	AUG78	58 M	R	20	131	.	0.80	0.53	1.63	6	.99	.	.	.	.	24.77*	
14	AUG78	59HLHCVC		20	131	.	258.5	262.9	.	.	.	.	.	.	.	*	
14	AUG78	510FLD S	M	20	130	26.4	26.0	.	.	.	.	.	.	.	.	*	
14	AUG78	511 LN S	M	20	131	26.4	26.0	28.8	30.7	2	5.0	26	.2	26.	0	*	
14	AUG78	512 LN S	M	20	131	26.4	26.0	28.8	30.7	2	5.0	26	.2	26.	0	*	
14	AUG78	513OLDPM	O	20	131	.	264.9	266.0	.	.	.	.	.	.	.	*	
14	AUG78	514 PRTS		20	131	23.1	.	3.184	1	.166	.	40.	15	35.9	1	*	
14	AUG78	5113.3VV		20	232	10.20	8.00	2.70	-	0.70	.	-4.	90	.	.	*	
14	AUG78	52 1.6HH		20	230	.	.	.	.	.	.	.	.	.	.	*	
14	AUG78	53 1.6HV		20	230	.	.	.	.	.	.	.	.	.	.	*	
14	AUG78	54 .4HH		20	232	-10.90	-11.10	-5.90	-1	5.30	-16	.40	-23.	80	-24.5	0	-22.70*
14	AUG78	55 .4HV		20	232	-22.30	-23.40	21.70	-2	8.80	-30	.40	-35.	10	-34.8	0	-31.70*
14	AUG78	564.75HH		20	230	.	.	.	.	.	.	.	.	.	.	*	
14	AUG78	574.75HV		20	230	.	.	.	.	.	.	.	.	.	.	*	
14	AUG78	58 M	R	20	231	.	.	.	.	.	.	.	.	.	.	24.77*	
14	AUG78	59HLHCVC		20	232	258.4	.	.	.	.	.	.	.	.	.	*	
14	AUG78	510FLD S	M	20	230	26.4	26.0	.	.	.	.	.	.	.	.	*	
14	AUG78	511 LN S	M	20	232	27.9	28.9	31.7	33.4	2	7.4	29	.2	27.	1	*	
14	AUG78	512 LN S	M	20	232	27.9	28.9	31.7	33.4	2	7.4	29	.2	27.	1	*	
14	AUG78	513OLDPM	O	20	232	261.8	.	.	.	.	.	.	.	.	.	*	
14	AUG78	514 PRTS		20	232	24.0	.	.	.	.	.	.	.	.	.	*	
2	AUG78	1113.3VV		21	131	0.40	-1.60	-5.50	-	6.40	-6	.20	90	-10.4	0	-11.10*	
2	AUG78	12 1.6HH		21	131	-1.60	-4.90	-6.60	-	8.60	-10	.00	00	-15.8	0	-17.90*	
2	AUG78	13 1.6HV		21	131	-17.90	-16.60	18.30	-1	8.20	-18	.70	70	-22.4	0	-23.30*	

2	AUG78	14	.4HH	21	131	-15.70	-20.30	-23.30	-2	6.00	-28	.30	-36.	80	-36.5	0	-33.90*
2	AUG78	15	.4HV	21	131	-26.20	-30.40	-35.50	-3	9.30	-42	.30	-47.	00	-48.6	0	-45.80*
2	AUG78	164	.75HH	21	130	.	.	.	.	.	.	.	.	.	.	.	.
2	AUG78	174	.75HV	21	130	.	.	.	.	.	.	.	.	.	.	.	.
2	AUG78	16	N	B	21	131	.	0.88	1.04	1.14	2	.57	.	.	.	22.12*	
2	AUG78	19HLHCVC			21	131	.	259.1	263.9	.	.	.	.	.	.	.	.
2	AUG78	110FLD S	M	21	130	14.9	9.1	.	.	.	.	.	.	.	.	.	.
2	AUG78	111 LN S	M	21	131	15.5	8.6	7.7	12.5	1	3.4	24	.0	24.	5	.	.
2	AUG78	112 LN S	M	21	131	15.5	8.6	7.7	12.5	.	3.4	24	.0	24.	5	.	.
2	AUG78	113OLDP4	F	21	131	.	266.4	267.7	.	.	.	.	.	.	.	.	.
2	AUG78	114 PRT5		21	131	20.6	0.173	0	.951	.	39.	88	37.3	2	.	.	.
2	AUG78	1113.3VV		21	232	-0.60	-2.30	-6.00	-	8.40	-7	.70	-10.	50	-11.0	0	-10.70*
2	AUG78	12	1.6HH	21	230	.	.	.	.	.	.	.	.	.	.	.	.
2	AUG78	13	1.6HV	21	230	.	.	.	.	.	.	.	.	.	.	.	.
2	AUG78	14	.4HH	21	232	-12.84	-17.40	-21.10	-2	4.70	-26	.50	-37.	60	-38.9	0	-35.00*
2	AUG78	15	.4HV	21	232	-24.80	-28.10	-33.30	-3	8.30	-40	.10	-48.	00	-49.7	0	-46.80*
2	AUG78	164	.75HH	21	232	6.49	2.04	-1.30	-	4.25	-5	.78	-8.	94	-9.8	5	-11.54*
2	AUG78	174	.75HV	21	232	-5.43	-8.96	-14.52	-1	5.74	-15	.56	-21.	50	-20.0	1	-23.54*
2	AUG78	18	N	B	21	231	.	.	.	.	.	.	.	.	.	.	22.12*
2	AUG78	19HLHCVC		21	232	234.6	.	.	.	.	.	.	.	.	.	.	.
2	AUG78	110FLD S	M	21	230	14.9	9.1	.	.	.	.	.	.	.	.	.	.
2	AUG78	111 LN S	M	21	232	16.9	8.7	7.4	12.5	1	3.4	17	.9	21.	7	.	.
2	AUG78	112 LN S	M	21	232	16.9	8.7	7.4	12.5	1	3.4	17	.9	21.	7	.	.
2	AUG78	113OLDP4	F	21	232	234.6	.	.	.	.	.	.	.	.	.	.	.
2	AUG78	114 PRT5		21	232	23.2	.	.	.	.	39.	88	37.3	2	.	.	.
2	AUG78	2113.3VV		21	131	-2.40	-3.10	-5.80	-	8.70	-7	.70	-10.	00	-11.7	0	-11.10*
2	AUG78	22	1.6HH	21	131	-8.90	-11.50	-13.30	-1	3.80	-15	.90	-18.	60	-19.0	0	-21.80*
2	AUG78	23	1.6HV	21	131	-18.30	-19.20	-21.40	-2	9.70	-20	.60	-23.	00	-23.9	0	-24.20*
2	AUG78	24	.4HH	21	131	-18.30	-20.60	-24.20	-2	7.30	-29	.10	-37.	00	-37.1	0	-35.80*
2	AUG78	25	.4HV	21	131	-30.30	-31.80	-36.60	-3	9.90	-41	.20	-49.	90	-50.2	0	-48.20*
2	AUG78	264	.75HH	21	131	3.76	-0.45	-5.71	-	8.48	-9	.02	-11.	44	-13.6	5	-13.65*
2	AUG78	274	.75HV	21	131	-6.05	-9.34	-15.28	-1	7.12	-18	.37	-21.	91	-22.5	6	-24.88*
2	AUG78	28	N	B	21	131	.	1.04	1.18	1.33	2	.65	.	.	.	23.30*	
2	AUG78	29HLHCVC		21	131	.	278.0	280.5	.	.	.	.	.	.	.	.	.
2	AUG78	210FLD S	M	21	130	6.0	6.7	.	.	.	.	.	.	.	.	.	.
2	AUG78	211 LN S	M	21	131	5.9	6.7	7.5	11.9	.	7.9	21	.7	24.	2	.	.
2	AUG78	212 LN S	M	21	131	5.9	6.7	7.5	11.9	.	7.9	21	.7	24.	2	.	.
2	AUG78	213OLDP4	F	21	131	.	282.4	281.9	.	.	.	.	.	.	.	.	.
2	AUG78	214 PRT5		21	131	21.8	0.161	0	.556	.	39.	88	37.3	2	.	.	.
2	AUG78	2113.3VV		21	232	-2.60	-3.50	-6.80	-	9.60	-8	.30	-11.	40	-12.1	0	-12.60*
2	AUG78	22	1.6HH	21	230	.	.	.	.	.	.	.	.	.	.	.	.
2	AUG78	23	1.6HV	21	230	.	.	.	.	.	.	.	.	.	.	.	.
2	AUG78	24	.4HH	21	232	-15.60	-19.30	-23.40	-2	6.20	-27	.00	-34.	50	-36.5	0	-33.80*
2	AUG78	25	.4HV	21	232	-28.90	-31.70	-36.70	-3	9.70	-42	.50	-49.	10	-47.8	0	-42.60*
2	AUG78	264	.75HH	21	230	.	.	.	.	.	.	.	.	.	.	.	.
2	AUG78	274	.75HV	21	230	.	.	.	.	.	.	.	.	.	.	.	.
2	AUG78	26	N	B	21	231	.	.	.	.	.	.	.	.	.	.	23.30*
2	AUG78	29HLHCVC		21	232	272.2	.	.	.	.	.	.	.	.	.	.	.
2	AUG78	210FLD S	M	21	230	6.0	6.7	.	.	.	.	.	.	.	.	.	.
2	AUG78	211 LN S	M	21	232	5.9	6.7	7.5	11.9	.	7.9	21	.7	24.	2	.	.
2	AUG78	212 LN S	M	21	232	5.9	6.7	7.5	11.9	.	7.9	21	.7	24.	2	.	.
2	AUG78	213OLDP4	F	21	232	279.7	.	.	.	.	.	.	.	.	.	.	.
2	AUG78	214 PRT5		21	232	24.7	.	.	.	.	39.	58	37.3	2	.	.	.
2	AUG78	3113.3VV		21	131	-0.80	-2.90	-5.60	-	8.40	-7	.30	-9.	80	-11.5	0	-11.20*
2	AUG78	32	1.6HH	21	131	-6.70	-10.70	-12.70	-1	3.60	-15	.00	-18.	10	-19.1	0	-21.70*
2	AUG78	33	1.6HV	21	131	-15.30	-22.30	-23.40	-2	2.20	-23	.90	-25.	00	-26.7	0	-27.00*
2	AUG78	34	.4HH	21	131	-15.40	-18.80	-21.60	-2	4.90	-27	.00	-32.	50	-35.2	0	-31.70*
2	AUG78	35	.4HV	21	131	-24.40	-29.20	-36.70	-4	0.50	-46	.70	-53.	50	-50.6	0	-50.60*
2	AUG78	364	.75HH	21	130	12.60	7.50	3.40	1.00	0	.20	-2.	60	-4.7	0	-5.80*	

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8	AUG78	374.75HV		21	130	12.40	7.50	3.60	1.10	-0	.20	-4.	10	-5.5	0	-7.70*
8	AUG78	38 M	B	21	131	.	0.75	0.85	1.05	2	.45	.	.	.	.	20.94*
8	AUG78	39HLHCVC		21	131	.	277.4	251.7	.	.	.	.	.	.	.	*
8	AUG78	310FLD S	M	21	130	5.3	5.6	.	.	.	.	.	.	.	.	*
8	AUG78	311 LN S	M	21	131	5.3	5.6	6.4	9.5	.	7.9	20	.9	27.	5	*
8	AUG78	312 LN S	M	21	131	5.3	5.6	6.4	9.5	.	7.9	20	.9	27.	5	*
8	AUG78	313CLDPH	F	21	131	.	281.4	222.2	.	.	.	.	.	.	.	*
8	AUG78	314 PRTS		21	131	19.3	0.332	0	.992	-7	.39.	88	37.3	2	.	*
8	AUG78	3113.3VV		21	232	-1.80	-5.10	-5.20	8.50	-7	.40	-10.	40	-11.4	0	-10.10*
8	AUG78	32 1.6HH		21	230	.	.	.	.	.	.	.	.	.	.	*
8	AUG78	33 1.6HV		21	230	.	.	.	.	.	.	.	.	.	.	*
8	AUG78	34 .4HH		21	232	-13.40	-15.70	-19.50	1.10	-25	.50	-32.	90	-31.4	0	-30.70*
8	AUG78	35 .4HV		21	232	-26.24	-25.60	-35.00	9.80	-45	.90	-53.	20	-51.9	2	-53.32*
8	AUG78	354.75HH		21	230	.	.	.	.	.	.	.	.	.	.	*
8	AUG78	374.75HV		21	230	.	.	.	.	.	.	.	.	.	.	*
8	AUG78	38 M	B	21	231	.	.	.	.	.	.	.	.	.	.	20.94*
8	AUG78	39HLHCVC		21	232	270.0	.	.	.	.	.	.	.	.	.	*
8	AUG78	310FLD S	M	21	230	5.3	5.6	.	.	.	.	.	.	.	.	*
8	AUG78	311 LN S	M	21	232	6.0	6.3	7.2	10.9	.	8.6	21	.8	28.	4	*
8	AUG78	312 LN S	M	21	232	6.0	6.3	7.2	10.9	.	8.6	21	.8	28.	4	*
8	AUG78	313CLDPH	F	21	232	276.3	.	.	.	.	.	.	.	.	.	*
8	AUG78	314 PRTS		21	232	21.0	.	.	.	.	.	.	.	.	.	*
11	AUG78	4113.3VV		21	131	-2.70	-4.40	-7.40	9.70	-8	.50	-11.	20	-11.6	0	-10.90*
11	AUG78	42 1.6HH		21	132	-9.00	-12.20	-13.90	3.80	-15	.80	-12.	00	-20.1	0	-20.70*
11	AUG78	43 1.6HV		21	131	-19.80	-20.50	-23.10	3.40	-23	.70	-25.	30	-26.6	0	-27.80*
11	AUG78	44 .4HH		21	131	-13.00	-15.00	-19.62	9.70	-23	.00	-29.	20	-29.0	0	-28.60*
11	AUG78	45 .4HV		21	131	-24.20	-27.70	-32.80	5.30	-39	.00	-46.	00	-44.6	0	-45.00*
11	AUG78	464.75HH		21	130	16.20	11.00	7.70	5.20	3	.70	1.	10	-1.1	0	-2.50*
11	AUG78	474.75HV		21	130	11.90	3.30	0.50	2.20	-3	.70	-7.	40	-7.9	0	-9.70*
11	AUG78	48 M	B	21	131	.	1.20	1.36	1.47	3	.16	.	.	.	.	40.42*
11	AUG78	49HLHCVC		21	131	.	294.0	298.3	.	.	.	.	.	.	.	*
11	AUG78	410FLD S	M	21	130	4.0	5.8	.	.	.	.	.	.	.	.	*
11	AUG78	411 LN S	M	21	131	4.1	6.0	7.8	10.0	.	7.4	21	.9	26.	5	*
11	AUG78	412 LN S	M	21	131	4.1	6.0	7.8	10.0	.	7.4	21	.9	26.	5	*
11	AUG78	413CLDPH	F	21	131	.	297.5	295.4	.	.	.	.	.	.	.	*
11	AUG78	414 PRTS		21	131	37.2	0.117	0	.948	.	.39.	88	37.3	2	.	*
11	AUG78	4113.3VV		21	232	0.70	-3.50	-7.10	9.90	-8	.30	-11.	10	-12.1	0	-10.80*
11	AUG78	42 1.6HH		21	230	.	.	.	.	.	.	.	.	.	.	*
11	AUG78	43 1.6HV		21	230	.	.	.	.	.	.	.	.	.	.	*
11	AUG78	44 .4HH		21	232	-12.00	-16.60	-19.70	2.60	-24	.40	-31.	20	-29.7	0	-28.10*
11	AUG78	45 .4HV		21	232	-22.90	-25.80	-31.40	4.70	-38	.20	-46.	30	-44.0	0	-43.30*
11	AUG78	464.75HH		21	230	.	.	.	.	.	.	.	.	.	.	*
11	AUG78	474.75HV		21	230	.	.	.	.	.	.	.	.	.	.	*
11	AUG78	48 M	B	21	231	.	.	.	.	.	.	.	.	.	.	40.42*
11	AUG78	49HLHCVC		21	232	280.9	.	.	.	.	.	.	.	.	.	*
11	AUG78	410FLD S	M	21	230	4.0	5.8	.	.	.	.	.	.	.	.	*
11	AUG78	411 LN S	M	21	232	4.0	5.8	7.4	9.9	.	7.1	20	.8	25.	4	*
11	AUG78	412 LN S	M	21	232	4.0	5.8	7.4	9.9	.	7.1	20	.8	25.	4	*
11	AUG78	413CLDPH	F	21	232	289.4	.	.	.	.	.	.	.	.	.	*
11	AUG78	414 PRTS		21	232	38.6	0.117	0	.948	.	.39.	88	37.3	2	.	*
14	AUG78	5113.3VV		21	133	-1.60	-3.80	-6.70	8.90	-7	.50	-11.	00	-11.4	0	-11.70*
14	AUG78	52 1.6HH		21	133	-7.00	-10.00	-12.90	3.20	-15	.40	-18.	20	-18.4	0	-21.40*
14	AUG78	53 1.6HV		21	133	-18.70	-21.00	-22.30	2.10	-23	.70	-26.	80	-26.7	0	-25.10*
14	AUG78	54 .4HH		21	133	-13.65	-15.20	-17.90	1.60	-21	.70	-30.	10	-30.6	0	-28.90*
14	AUG78	55 .4HV		21	133	-26.27	-27.52	-32.60	6.94	-37	.50	-43.	80	-45.7	0	-45.90*
14	AUG78	564.75HH		21	131	4.95	0.14	-3.77	7.13	-8	.39	-11.	40	-13.4	6	-14.21*
14	AUG78	574.75HV		21	131	-5.90	-9.55	-13.97	6.70	-18	.16	-21.	99	-22.7	4	-25.27*
14	AUG78	58 M	B	21	131	.	0.91	1.04	1.38	2	.72	.	.	.	.	29.71*
14	AUG78	59HLHCVC		21	133	.	290.9	295.7	.	.	.	.	.	.	.	*

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8	AUG78	311 LN S	M	24	242	22.0	28.4	27.5	30.8	2	9.1	31	.7	31.	5	*
8	AUG78	312 LN S	M	24	242	22.0	28.4	27.5	30.8	2	9.1	31	.7	31.	5	*
8	AUG78	313OLDPM	P	24	242	263.2	.	.	.	.	.	47.	29	40.9	6	*
8	AUG78	314 PRT5		24	242	19.8	.	.	.	.	.	.	.	.	.	*
11	AUG78	4113.3VV		24	140	.	.	.	.	.	.	.	.	.	.	*
11	AUG78	42 1.6HH		24	140	.	.	.	.	.	.	.	.	.	.	*
11	AUG78	43 1.6HV		24	140	.	.	.	.	.	.	.	.	.	.	*
11	AUG78	44 .4HH		24	140	.	.	.	.	.	.	.	.	.	.	*
11	AUG78	45 .4HV		24	140	.	.	.	.	.	.	.	.	.	.	*
11	AUG78	464.7SHH		24	140	.	.	.	.	.	.	.	.	.	.	*
11	AUG78	474.7SHV		24	140	.	.	.	.	.	.	.	.	.	.	*
11	AUG78	48 M	R	24	141	.	1.01	0.83	1.66	5	.73	.	.	.	32.03	*
11	AUG78	49HLHCVC		24	141	.	261.1	286.7	.	.	.	.	.	.	.	*
11	AUG78	410FLD S	M	24	140	11.7	19.3	.	.	.	.	.	.	.	.	*
11	AUG78	411 LN S	M	24	141	13.6	21.0	23.5	27.5	2	3.0	29	.4	30.	1	*
11	AUG78	411 LN S	M	24	141	13.6	21.0	23.5	27.5	2	3.0	29	.4	30.	1	*
11	AUG78	413OLDPM	P	24	141	.	285.8	288.3	.	.	.	.	.	.	.	*
11	AUG78	414 PRT5		24	141	29.1	2-144	2-144	1	.117	.	47.	29	40.9	6	*
11	AUG78	4113.3VV		24	240	.	.	.	.	.	.	.	.	.	.	*
11	AUG78	42 1.6HH		24	240	.	.	.	.	.	.	.	.	.	.	*
11	AUG78	43 1.6HV		24	240	.	.	.	.	.	.	.	.	.	.	*
11	AUG78	44 .4HH		24	240	.	.	.	.	.	.	.	.	.	.	*
11	AUG78	45 .4HV		24	240	.	.	.	.	.	.	.	.	.	.	*
11	AUG78	464.7SHH		24	240	.	.	.	.	.	.	.	.	.	.	*
11	AUG78	474.7SHV		24	240	.	.	.	.	.	.	.	.	.	.	*
11	AUG78	48 M	R	24	241	.	.	.	.	.	.	.	.	.	32.03	*
11	AUG78	49HLHCVC		24	242	.	.	.	.	.	.	.	.	.	.	*
11	AUG78	410FLD S	M	24	240	11.7	19.3	.	.	.	.	.	.	.	.	*
11	AUG78	411 LN S	M	24	242	11.7	19.3	22.4	25.5	2	2.6	27	.9	29.	1	*
11	AUG78	411 LN S	M	24	242	11.7	19.3	22.4	25.5	2	2.6	27	.9	29.	1	*
11	AUG78	413OLDPM	P	24	240	.	.	.	.	.	.	.	.	.	.	*
11	AUG78	414 PRT5		24	242	30.1	.	.	.	.	.	47.	29	40.9	6	*
14	AUG78	5113.3VV		24	143	1.50	0.10	-1.90	3.40	-1	.50	-5.	70	-5.2	0	-6.00*
14	AUG78	52 1.6HH		24	143	-0.10	-3.10	-1.90	3.10	-4	.90	-7.	10	-10.5	0	-15.00*
14	AUG78	53 1.6HV		24	143	-17.50	-19.20	19.30	8.70	-19	.10	-20.	10	-22.0	0	-22.40*
14	AUG78	54 .4HH		24	143	-9.37	-12.35	12.84	0.78	-16	.28	-27.	58	-26.3	7	-19.11*
14	AUG78	55 .4HV		24	143	-23.75	-26.38	29.57	7.75	-32	.80	-41.	33	-37.6	4	-29.37*
14	AUG78	554.7SHH		24	140	.	.	.	.	.	.	.	.	.	.	*
14	AUG78	574.7SHV		24	140	.	.	.	.	.	.	.	.	.	.	*
14	AUG78	58 M	R	24	141	.	0.90	0.72	1.39	5	.65	.	.	.	27.20	*
14	AUG78	59HLHCVC		24	143	.	281.3	287.6	.	.	.	.	.	.	.	*
14	AUG78	510FLD S	M	24	140	18.8	24.6	.	.	.	.	.	.	.	.	*
14	AUG78	511 LN S	M	24	141	18.8	24.6	28.0	30.5	2	8.5	32	.7	32.	3	*
14	AUG78	512 LN S	M	24	141	18.8	24.6	28.0	30.5	2	8.5	32	.7	32.	3	*
14	AUG78	513OLDPM	P	24	143	.	286.5	289.2	.	.	.	.	.	.	.	*
14	AUG78	514 PRT5		24	143	27.8	.	2.230	1	.129	.	47.	29	40.9	6	*
14	AUG78	5113.3VV		24	242	2.60	1.00	-1.30	3.20	-2	.00	-5.	60	-5.6	0	-5.60*
14	AUG78	52 1.6HH		24	240	.	.	.	.	.	.	.	.	.	.	*
14	AUG78	53 1.6HV		24	240	.	.	.	.	.	.	.	.	.	.	*
14	AUG78	54 .4HH		24	242	-10.30	-11.60	11.10	1.30	-15	.40	-25.	90	-26.9	0	-19.30*
14	AUG78	55 .4HV		24	242	-26.70	-27.30	28.70	5.60	-30	.60	-39.	70	-38.0	0	-30.50*
14	AUG78	564.7SHH		24	242	8.87	4.51	1.65	0.63	-1	.01	-6.	30	-7.5	7	-8.62*
14	AUG78	574.7SHV		24	242	-3.59	-6.90	11.92	2.97	-13	.80	-17.	16	-16.3	4	-19.25*
14	AUG78	58 M	R	24	241	.	.	.	.	.	.	.	.	.	.	27.20*
14	AUG78	59HLHCVC		24	242	272.6	.	.	.	.	.	.	.	.	.	*
14	AUG78	510FLD S	M	24	240	18.8	24.6	.	.	.	.	.	.	.	.	*
14	AUG78	511 LN S	M	24	242	18.8	24.6	28.0	30.5	2	8.5	32	.7	32.	3	*
14	AUG78	512 LN S	M	24	242	18.8	24.6	28.0	30.5	2	8.5	32	.7	32.	3	*
14	AUG78	513OLDPM	P	24	242	280.0	.	.	.	.	.	.	.	.	.	*

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14	AUG78	514 PRTS	24	242	26.5							47.	29	40.9	6	*
17	AUG78	6113.3VV	24	141	3.20	1.40	-0.80	-	2.60	-0	.60	.	.	.	.	*
17	AUG78	62 1.6HH	24	141	-5.30	-7.30	-9.20	-1	1.60	-14	.50	.	.	.	.	*
17	AUG78	63 1.6HV	24	141	-17.90	-18.30	-	-	18.60	-1	8.00	-16	.70	.	.	*
17	AUG78	64 .5HH	24	141	-11.30	-12.00	-	-	13.10	-	1.07	-13	.00	.	.	*
17	AUG78	65 .4HV	24	141	-23.09	-24.48	-	-	27.29	-1	4.50	-27	.30	.	.	*
17	AUG78	664.75HH	24	140	.	.	.	.	.	.	.	.	.	.	.	*
17	AUG78	674.75HV	24	140	.	.	.	.	.	.	.	.	.	.	.	*
17	AUG78	68 M	R	24	141	.	1.07	0.85	1.81	6	.50	.	.	.	.	28.59*
17	AUG78	69HLHCVC	24	141	.	278.9	285.2	.	.	.	.	.	.	.	.	*
17	AUG78	610FLO S	M	24	140	13.1	19.7	.	.	.	.	.	.	.	.	*
17	AUG78	611 LN S	M	24	141	14.2	22.2	26.3	30.1	2	6.8	30	.4	30.	6	*
17	AUG78	612 LN S	M	24	141	14.8	22.2	26.3	30.1	2	6.8	30	.4	30.	6	*
17	AUG78	613OLDPM	P	24	141	.	283.6	287.0	.	.	.	.	.	.	.	*
17	AUG78	614 PRTS	24	141	26.2	.	2.528	1	.125	.	.	47.	29	40.9	6	**
17	AUG78	6113.3VV	24	242	1.90	1.00	-1.10	-	2.80	-1	.70	-5.	90	-5.9	0	*
17	AUG78	62 1.6HH	24	240	.	.	.	.	.	.	.	.	.	.	.	*
17	AUG78	63 1.6HV	24	240	.	.	.	.	.	.	.	.	.	.	.	*
17	AUG78	64 .5HH	24	242	-12.50	-12.90	-	-	12.40	-	1.00	-16	.30	-25.	90	-25.6 0
17	AUG78	65 .4HV	24	242	-26.30	-28.20	-	-	29.50	-1	8.50	-32	.85	-39.	24	-38.6 0
17	AUG78	664.75HH	24	242	5.14	2.28	0.75	-	1.84	-1	.72	-6.	99	-7.3	4	*
17	AUG78	674.75HV	24	242	-4.60	-7.59	-	-	11.73	-1	2.75	-13	.98	-17.	34	-16.2 9
17	AUG78	68 M	R	24	241	.	.	.	.	.	.	.	.	.	.	28.59*
17	AUG78	69HLHCVC	24	242	277.5	.	.	.	.	.	.	.	.	.	.	*
17	AUG78	610FLO S	M	24	240	13.1	19.7	.	.	.	.	.	.	.	.	*
17	AUG78	611 LN S	M	24	242	13.1	19.7	24.0	27.8	2	4.7	29	.7	30.	5	*
17	AUG78	612 LN S	M	24	242	13.1	19.7	24.0	27.8	2	4.7	29	.7	30.	5	*
17	AUG78	613OLDPM	P	24	242	284.5	.	.	.	.	.	.	.	.	.	*
17	AUG78	614 PRTS	24	242	28.3	.	.	.	.	.	.	.	.	.	.	*
2	AUG78	1113.3VV	25	141	11.00	8.60	3.50	-	0.10	-0	.20	-6.	20	-8.2	0	-9.70*
2	AUG78	12 1.6HH	25	141	5.00	4.30	1.90	-	2.20	-1	.70	-7.	20	-10.0	0	-12.10*
2	AUG78	13 1.6HV	25	141	-16.40	-15.50	-	-	13.60	-1	3.20	-13	.50	-17.	90	-19.1 0
2	AUG78	14 .4HH	25	141	-15.10	-16.00	-	-	11.80	-2	1.50	-20	.80	-28.	00	-28.0 0
2	AUG78	15 .4HV	25	141	-27.40	-29.20	-	-	30.00	-3	2.30	-36	.90	-42.	80	-41.5 0
2	AUG78	164.75HH	25	140	.	.	.	.	.	.	.	.	.	.	.	*
2	AUG78	174.75HV	25	140	.	.	.	.	.	.	.	.	.	.	.	*
2	AUG78	18 M	R	25	141	.	1.07	0.78	2.04	8	.19	.	.	.	.	23.51*
2	AUG78	19HLHCVC	25	141	.	255.1	261.6	.	.	.	.	.	.	.	.	*
2	AUG78	110FLO S	M	25	140	16.8	18.5	.	.	.	.	.	.	.	.	*
2	AUG78	111 LN S	M	25	141	.	.	.	.	.	.	.	.	.	.	*
2	AUG78	112 LN S	M	25	141	.	.	.	.	.	.	.	.	.	.	*
2	AUG78	113OLDPM	R	25	141	.	259.4	262.0	.	.	.	.	.	.	.	*
2	AUG78	114 PRTS	25	141	21.9	.	3.543	1	.152	.	.	51.	20	38.3	9	*
2	AUG78	1113.3VV	25	242	9.40	7.30	2.20	-	1.30	-0	.70	-7.	30	-8.8	0	-8.50*
2	AUG78	12 1.6HH	25	240	.	.	.	.	.	.	.	.	.	.	.	*
2	AUG78	13 1.6HV	25	240	.	.	.	.	.	.	.	.	.	.	.	*
2	AUG78	14 .4HH	25	242	-13.80	-14.90	-9.00	-1	9.60	-19	.30	-25.	60	-25.8	0	-21.40*
2	AUG78	15 .4HV	25	242	-24.80	-27.30	-	-	27.60	-3	1.30	-33	.40	-40.	40	-39.9 0
2	AUG78	164.75HH	25	240	.	.	.	.	.	.	.	.	.	.	.	*
2	AUG78	174.75HV	25	240	.	.	.	.	.	.	.	.	.	.	.	*
2	AUG78	18 M	R	25	241	.	.	.	.	.	.	.	.	.	.	23.51*
2	AUG78	19HLHCVC	25	242	239.7	.	.	.	.	.	.	.	.	.	.	*
2	AUG78	110FLO S	M	25	240	16.8	18.5	.	.	.	.	.	.	.	.	*
2	AUG78	111 LN S	M	25	242	.	.	.	.	.	.	.	.	.	.	*
2	AUG78	112 LN S	M	25	242	.	.	.	.	.	.	.	.	.	.	*
2	AUG78	113OLDPM	R	25	242	237.3	.	.	.	.	.	.	.	.	.	*
2	AUG78	114 PRTS	25	242	23.3	.	.	.	.	.	.	.	.	.	.	*
5	AUG78	2113.3VV	25	141	9.50	10.10	6.20	.	1.10	1	.00	-3.	50	-7.7	0	-9.10*
5	AUG78	22 1.6HH	25	141	4.20	3.30	1.50	.	2.50	-1	.00	-7.	40	-11.2	0	-26.00*

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10	AUG78	654.75HH	25	140	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
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[illegible]

5	AUG78	212 LN S	M	26	141	7.2	7.7	8.4	13.3	1	1.2	24	.0	24.	7	*	
5	AUG78	213OLDPH	G	26	141		282.5	282.6								*	
5	AUG78	214 PRTS		26	141	23.2		0.149	0	.950		47.	19	45.8	2	*	
5	AUG78	2113.3VV		26	242	-2.80	-4.40	-7.00	-	9.10	-7	.60	-11.	50	-12.3	0	-11.90*
5	AUG78	22 1.6HH		26	240	.	.	.	.	.	.	.	.	.	.	.	*
5	AUG78	23 1.6HV		26	240	.	.	.	.	.	.	.	.	.	.	.	*
5	AUG78	24 .4HH		26	242	-12.20	-20.10	-23.40	-2	7.30	-30	.10	-37.	90	-36.2	0	-34.50*
5	AUG78	25 .4HV		26	242	-28.60	-31.70	-38.70	-3	9.90	-43	.20	-51.	60	-50.2	0	-46.60*
5	AUG78	264.75HH		26	240	.	.	.	.	.	.	.	.	.	.	.	*
5	AUG78	274.75HV		26	240	.	.	.	.	.	.	.	.	.	.	.	*
5	AUG78	28 M	B	26	241	.	.	.	.	.	.	.	.	.	.	.	25.39*
5	AUG78	29HLHCVC		26	242	272.4	.	.	.	.	.	.	.	.	.	.	*
5	AUG78	310FLD S	M	26	240	6.7	7.2	8.3	12.6	1	0.3	22	.6	23.	1	*	
5	AUG78	311 LN S	M	26	242	6.7	7.4	8.3	12.6	1	0.3	22	.6	23.	1	*	
5	AUG78	312 LN S	M	26	242	5.7	7.4	.	.	.	.	.	.	.	.	.	*
5	AUG78	313OLDPH	G	26	242	279.8	.	.	.	.	.	.	.	.	.	.	*
5	AUG78	314 PRTS		26	242	25.4	.	.	.	.	.	.	.	.	.	.	*
5	AUG78	3113.3VV		26	140	.	.	.	.	.	.	.	.	.	.	.	*
5	AUG78	32 1.6HH		26	140	.	.	.	.	.	.	.	.	.	.	.	*
5	AUG78	33 1.6HV		26	140	.	.	.	.	.	.	.	.	.	.	.	*
5	AUG78	34 .4HH		26	140	.	.	.	.	.	.	.	.	.	.	.	*
5	AUG78	35 .4HV		26	140	.	.	.	.	.	.	.	.	.	.	.	*
5	AUG78	354.75HH		26	140	.	.	.	.	.	.	.	.	.	.	.	*
5	AUG78	374.75HV		26	140	.	.	.	.	.	.	.	.	.	.	.	*
5	AUG78	38 M	B	26	141	.	1.20	1.35	1.55	3	.50	.	.	.	.	.	22.26*
5	AUG78	39HLHCVC		26	141	.	278.6	283.0	.	.	.	.	.	.	.	.	*
5	AUG78	310FLD S	M	26	140	6.0	6.9	9.2	14.2	1	1.7	24	.5	25.	0	*	
5	AUG78	311 LN S	M	26	141	6.7	7.1	9.2	14.2	1	1.7	24	.5	25.	0	*	
5	AUG78	312 LN S	M	26	141	6.7	7.1	9.2	14.2	1	1.7	24	.5	25.	0	*	
5	AUG78	313OLDPH	G	26	141	.	282.4	283.3	.	.	.	.	.	.	.	.	*
5	AUG78	314 PRTS		26	141	20.2	.	0.214	0	.971	.	47.	19	45.8	2	*	
5	AUG78	3113.3VV		26	242	-2.60	-3.90	-5.70	-1	0.10	-8	.40	-11.	20	-11.7	0	-11.10*
5	AUG78	32 1.6HH		26	240	.	.	.	.	.	.	.	.	.	.	.	*
5	AUG78	33 1.6HV		26	240	.	.	.	.	.	.	.	.	.	.	.	*
5	AUG78	34 .4HH		26	242	-14.50	-17.20	-20.50	-2	3.60	-25	.40	-33.	20	-30.6	0	-33.30*
5	AUG78	35 .4HV		26	242	-25.10	-29.70	-33.70	-4	1.50	-47	.90	-52.	50	-51.8	0	-49.50*
5	AUG78	354.75HH		26	240	13.10	8.40	4.70	1.50	0	.30	-2.	30	-4.2	0	-4.50*	
5	AUG78	374.75HV		26	240	17.70	8.20	4.70	1.90	1	.30	-3.	20	-4.9	0	-5.70*	
5	AUG78	38 M	B	26	241	.	.	.	.	.	.	.	.	.	.	.	22.26*
5	AUG78	39HLHCVC		26	242	270.0	.	.	.	.	.	.	.	.	.	.	*
5	AUG78	310FLD S	M	26	240	6.0	6.9	9.2	14.2	1	1.7	24	.5	25.	0	*	
5	AUG78	311 LN S	M	26	242	6.7	7.1	9.2	14.2	1	1.7	24	.5	25.	0	*	
5	AUG78	312 LN S	M	26	242	6.7	7.1	9.2	14.2	1	1.7	24	.5	25.	0	*	
5	AUG78	313OLDPH	G	26	242	275.9	.	.	.	.	.	.	.	.	.	.	*
5	AUG78	314 PRTS		26	242	21.7	.	.	.	.	.	.	.	.	.	.	*
11	AUG78	4113.3VV		26	141	-3.60	-5.10	-7.20	-	9.90	-3	.90	-11.	30	-11.6	0	-12.40*
11	AUG78	42 1.6HH		26	141	-10.40	-14.20	-15.70	-1	5.20	-15	.80	-19.	20	-20.1	0	-21.50*
11	AUG78	43 1.6HV		26	141	-20.20	-20.60	-23.40	-2	4.00	-24	.50	-25.	10	-27.1	0	-27.30*
11	AUG78	44 .4HH		26	141	-15.57	-16.66	-21.36	-2	2.62	-25	.77	-32.	31	-32.2	2	-31.86*
11	AUG78	45 .4HV		26	141	-23.50	-28.30	-34.20	-3	5.40	-39	.66	-47.	74	-51.3	7	-45.84*
11	AUG78	464.75HH		26	140	12.20	9.20	4.80	1.70	0	.50	-1.	70	-3.7	0	-4.60*	
11	AUG78	474.75HV		26	140	11.30	5.70	1.50	0.20	-2	.50	-5.	70	-6.9	0	-7.60*	
11	AUG78	48 M	B	26	141	.	1.34	1.54	1.66	3	.52	.	.	.	.	.	41.08*
11	AUG78	49HLHCVC		26	141	.	254.7	298.8	.	.	.	.	.	.	.	.	*
11	AUG78	410FLD S	M	26	140	4.6	6.4	.	.	.	.	.	.	.	.	.	*
11	AUG78	411 LN S	M	26	141	4.8	6.6	9.1	14.2	1	2.3	24	.8	24.	5	*	
11	AUG78	412 LN S	M	26	141	4.8	6.6	9.1	14.2	1	2.3	24	.8	24.	5	*	
11	AUG78	413OLDPH	G	26	141	.	298.2	298.9	.	.	.	.	.	.	.	.	*
11	AUG78	414 PRTS		26	141	37.4	.	0.101	0	.944	.	47.	19	45.8	2	*	

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LINE	ITEM	QTY	UNIT	PRICE	TOTAL	TAX	DISC	NET	GST	GRAND TOTAL	
11	AUG78 4113.3VV	26	240	.	.	.	.	.	.	.	
11	AUG78 42 1.6HH	26	240	.	.	.	.	.	.	.	
11	AUG78 43 1.6HV	26	240	.	.	.	.	.	.	.	
11	AUG78 44 .4HH	26	240	.	.	.	.	.	.	.	
11	AUG78 45 .4HV	26	240	.	.	.	.	.	.	.	
11	AUG78 464.75HH	26	240	.	.	.	.	.	.	.	
11	AUG78 474.75HV	26	240	.	.	.	.	.	.	.	
11	AUG78 48 H	B 26	241	.	.	.	.	.	.	41.08*	
11	AUG78 49HLHCVC	M 26	242	285.1	.	.	.	.	.	.	
11	AUG78 4.0FLD S	H 26	240	4.6	6.4	.	.	.	.	.	
11	AUG78 411 LN S	M 26	242	4.6	6.6	9.1	14.2	1	2.3	24.8 24.5	
11	AUG78 412 LN S	M 26	242	4.6	6.6	9.1	14.2	1	2.3	24.8 24.5	
11	AUG78 413OLDPM	G 26	242	294.1	.	.	.	.	.	.	
11	AUG78 414 PRTS	G 26	242	39.8	.	.	.	.	47.	19 45.8 2	
14	AUG78 5113.3VV	26	143	-1.80	-3.50	-7.30	-8.70	-7	.50	-11.60 -11.2 0 -12.50*	
14	AUG78 52 1.6HH	26	143	-7.80	-11.20	-13.90	-13.50	-15	.10	-17.30 -18.5 0 -20.30*	
14	AUG78 53 1.6HV	26	143	-19.10	-20.50	-22.70	-23.30	-24	.00	-25.10 -26.9 0 -26.70*	
14	AUG78 54 .4HH	26	143	-14.50	-15.62	-18.50	-1.60	-23	.70	-31.70 -33.6 5 -30.05*	
14	AUG78 55 .4HV	26	143	-25.30	-28.24	-32.30	-6.20	-38	.90	-45.40 -46.3 0 -41.16*	
14	AUG78 564.75HH	26	140	.	.	.	.	.	.	.	
14	AUG78 574.75HV	26	140	.	.	.	.	.	.	.	
14	AUG78 58 H	B 26	141	.	1.12	1.31	1.44	3	.02	.	30.66*
14	AUG78 59HLHCVC	M 26	143	292.0	297.2	.	.	.	.	.	
14	AUG78 510FLD S	H 26	140	4.5	6.3	.	.	.	.	.	
14	AUG78 511 LN S	M 26	141	4.5	6.4	8.4	12.3	9.4	21	.0 22.3	
14	AUG78 512 LN S	M 26	141	4.5	6.4	8.4	12.3	9.4	21	.0 22.3	
14	AUG78 513OLDPM	G 26	143	296.5	297.8	.	.	.	.	.	
14	AUG78 514 PRTS	G 26	143	33.8	0.100	0	.946	.	47.	19 45.8 2	
14	AUG78 5113.3VV	26	242	-2.40	-3.70	-6.20	-8.60	-7	.20	-11.30 -10.8 0 -11.40*	
14	AUG78 52 1.6HH	26	240	.	.	.	.	.	.	.	
14	AUG78 53 1.6HV	26	240	.	.	.	.	.	.	.	
14	AUG78 54 .4HH	26	242	-11.70	-15.60	-19.20	-2.90	-24	.20	-30.70 -30.4 0 -27.60*	
14	AUG78 55 .4HV	26	242	-23.00	-27.20	-33.60	-6.10	-35	.90	-44.60 -46.5 0 -44.30*	
14	AUG78 564.75HH	26	242	4.46	8.00	-4.44	7.02	-8	.85	-11.46 -11.9 4 -14.24*	
14	AUG78 574.75HV	26	242	-4.16	-8.13	-14.42	-6.14	-18	.08	-21.65 -21.9 9 -25.62*	
14	AUG78 58 H	B 26	241	.	.	.	.	.	.	.	
14	AUG78 59HLHCVC	M 26	242	279.5	.	.	.	.	.	.	
14	AUG78 510FLD S	H 26	240	4.5	6.3	.	.	.	.	.	
14	AUG78 511 LN S	M 26	242	4.5	6.3	8.4	12.5	9.2	22	.0 23.4	
14	AUG78 512 LN S	M 26	242	4.5	6.3	8.4	12.5	9.2	22	.0 23.4	
14	AUG78 513OLDPM	G 26	242	287.0	.	.	.	.	.	.	
14	AUG78 514 PRTS	G 26	242	30.8	.	.	.	.	47.	19 45.8 2	
17	AUG78 6113.3VV	26	141	-2.40	-3.80	-6.20	-8.30	-7	.10	.	.
17	AUG78 62 1.6HH	26	141	-3.60	-10.00	-16.30	-3.50	-21	.50	.	.
17	AUG78 63 1.6										



17	AUG78	60	242	113.50	-17.50	21.50	-2	5.00	-24	.70	-30.	80	-32.4	0	-28.20*		
17	AUG78	65	242	-25.20	-30.20	34.90	-3	7.50	-30	.30	-47.	60	-46.8	0	-46.90*		
17	AUG78	66	242	2.32	-2.31	-5.72	-	7.35	-9	.46	-12.	54	-12.9	9	-15.21*		
17	AUG78	674.75HV	26	242	-5.41	-9.43	-	15.72	-1	6.20	-19	.07	-22.	64	-21.3	7	-25.44*
17	AUG78	68	241	.	.	.	.	.	.	.	.	.	.	.	.	34.16*	
17	AUG78	60HLHCVC	26	242	223.1	.	.	.	.	.	.	.	.	.	.	.	
17	AUG78	610FLD S	M	26	240	4.6	.	6.0	.	.	.	.	.	.	.	.	
17	AUG78	611 LN S	M	26	242	4.6	.	6.0	.	11.9	.	.	23.	.	.	.	
17	AUG78	612 LN S	M	26	242	4.6	.	6.0	.	11.9	.	.	23.	.	.	.	
17	AUG78	613OLDPH	G	26	242	291.3	.	.	.	.	.	.	.	.	.	.	
17	AUG78	614 PRYS	.	26	242	24.6	.	.	.	.	.	.	.	.	.	.	
2	AUG78	1113.3VV	27	141	7.70	1.80	13.50	-1	5.70	-13	.50	-10.	70	-12.0	0	-12.60*	
2	AUG78	12 1.6HH	27	141	5.70	-6.30	11.40	-1	4.20	-15	.70	-16.	50	-20.3	0	-23.80*	
2	AUG78	13 1.6HV	27	141	-17.50	-22.50	23.90	-2	5.30	-24	.50	-27.	10	-29.2	0	-28.90*	
2	AUG78	14 .4HH	27	141	-11.20	-12.40	23.60	-3	0.30	-31	.60	-36.	70	-35.7	0	-37.50*	
2	AUG78	15 .4HV	27	141	-25.00	-29.40	36.10	-4	0.60	-45	.60	-50.	90	-49.5	0	-49.50*	
2	AUG78	164.75HH	27	140	.	.	.	.	.	.	.	.	.	.	.	.	
2	AUG78	174.75HV	27	140	.	.	.	.	.	.	.	.	.	.	.	.	
2	AUG78	18	27	141	.	1.22	0.95	.	2.26	7	.14	.	.	.	.	23.33*	
2	AUG78	19HLHCVC	27	141	.	247.6	252.0	.	.	.	.	.	.	.	.	.	
2	AUG78	110FLD S	M	27	140	29.7	20.8	.	.	.	.	.	.	.	.	.	
2	AUG78	111 LN S	M	27	141	.	.	.	.	.	.	.	.	.	.	.	
2	AUG78	112 LN S	M	27	141	.	.	.	.	.	.	.	.	.	.	.	
2	AUG78	113OLDPH	K	27	141	.	254.7	255.4	.	.	.	.	.	.	.	.	
2	AUG78	114 PRYS	.	27	141	21.7	.	2.770	1	.125	.	38.	62	33.3	4	.	
2	AUG78	1113.3VV	27	242	8.40	2.00	-3.60	-	7.30	-7	.40	-11.	40	-12.0	0	-11.50*	
2	AUG78	12 1.6HH	27	240	.	.	.	.	.	.	.	.	.	.	.	.	
2	AUG78	13 1.6HV	27	240	.	.	.	.	.	.	.	.	.	.	.	.	
2	AUG78	14 .4HH	27	242	-5.50	-17.10	20.60	-2	5.47	-29	.30	-36.	90	-35.9	0	-40.70*	
2	AUG78	15 .4HV	27	242	-23.35	-27.30	35.80	-3	7.90	-42	.50	-48.	90	-49.1	0	-46.70*	
2	AUG78	164.75HH	27	240	.	.	.	.	.	.	.	.	.	.	.	.	
2	AUG78	174.75HV	27	240	.	.	.	.	.	.	.	.	.	.	.	.	
2	AUG78	18	27	241	.	.	.	.	.	.	.	.	.	.	.	23.33*	
2	AUG78	19HLHCVC	27	242	224.7	.	.	.	.	.	.	.	.	.	.	.	
2	AUG78	110FLD S	M	27	240	29.7	20.8	.	.	.	.	.	.	.	.	.	
2	AUG78	111 LN S	M	27	242	.	.	.	.	.	.	.	.	.	.	.	
2	AUG78	112 LN S	M	27	242	.	.	.	.	.	.	.	.	.	.	.	
2	AUG78	113OLDPH	K	27	242	225.7	.	.	.	.	.	.	.	.	.	.	
2	AUG78	114 PRYS	.	27	242	23.3	.	.	.	.	.	.	.	.	.	.	
5	AUG78	1113.3VV	27	141	5.20	-11.00	-5.70	-	9.40	-7	.70	-10.	90	-6.8	0	-7.10*	
5	AUG78	22 1.6HH	27	141	.	-12.60	17.60	-2	0.70	-22	.00	-24.	90	-26.6	0	-27.90*	
5	AUG78	23 1.6HV	27	141	-17.70	-20.50	24.40	-2	5.20	-26	.20	-28.	70	-31.0	0	-30.60*	
5	AUG78	24 .4HH	27	141	-5.28	-9.49	16.63	-1	8.36	-25	.20	-34.	34	-34.9	6	-37.35*	
5	AUG78	25 .4HV	27	141	-21.75	-24.40	30.60	-3	2.70	-39	.80	-49.	20	-48.8	0	-45.70*	
5	AUG78	264.75HH	27	141	6.75	-1.24	-7.19	-1	0.87	-11	.75	-15.	37	-16.0	5	-17.33*	
5	AUG78	274.75HV	27	141	-3.51	-7.59	15.36	-1	7.48	-19	.77	-23.	31	-24.0	2	-24.44*	
5	AUG78	28	27	141	.	1.10	0.80	.	2.05	6	.48	.	.	.	.	20.61*	
5	AUG78	29HLHCVC	27	141	.	271.2	275.3	.	.	.	.	.	.	.	.	.	
5	AUG78	210FLD S	M	27	140	15.4	21.4	.	.	.	.	.	.	.	.	.	
5	AUG78	211 LN S	M	27	141	11.2	18.6	19.8	19.2	1	8.2	19	.4	18.	3	.	
5	AUG78	212 LN S	M	27	141	11.2	18.6	19.8	19.2	1	8.2	19	.4	18.	3	.	
5	AUG78	213OLDPH	K	27	141	.	274.0	274.5	.	.	.	.	.	.	.	.	
5	AUG78	214 PRYS	.	27	141	19.2	.	2.528	1	.131	.	38.	62	33.3	4	.	
5	AUG78	2113.3VV	27	242	5.60	-0.60	-4.90	-	9.30	-9	.10	-11.	.	-12.8	.	.	
5	AUG78	22 1.6HH	27	240	.	.	.	.	.	.	.	.	.	.	.	.	
5	AUG78	23 1.6HV	27	240	.	.	.	.	.	.	.	.	.	.	.	.	
5	AUG78	24 .4HH	27	242	-5.17	-13.00	16.00	-1	9.40	-25	.40	-34.	58	-34.5	7	-38.34*	
5	AUG78	25 .4HV	27	242	-17.00	-23.60	26.70	-3	2.10	-39	.10	-47.	62	-46.2	4	-48.03*	
5	AUG78	264.75HH	27	240	.	.	.	.	.	.	.	.	.	.	.	.	

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5	AUG78	274.75HV	27	240	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
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**ORIGINAL PAGE IS  
OF POOR QUALITY**

11	AUG78	410FLD S	H	27	240	19.3	23.5											*
11	AUG78	411 LN S	M	27	141	23.2	26.2	26.2	23.7	2	5.2	23	.9	21.	3		*	
11	AUG78	411 LN S	M	27	141	23.2	25.2	26.2	23.7	2	5.2	23	.9	21.	3		*	
11	AUG78	413CLDPN	K	27	242	254.8	.	.	.	.	.	.	.	.	.	.	*	
11	AUG78	414 PRYS		27	242	24.6	.	.	.	.	.	38.	62	33.3	4		*	
14	AUG78	5113.3VV		27	143	0.90	-1.50	-5.10	-7.10	-6	.00	-9.	20	-9.2	0	-10.60*	*	
14	AUG78	52 1.6HH		27	143	2.60	-7.70	-12.00	-4.20	-17	.10	-26.	50	-22.9	0	-24.50*	*	
14	AUG78	53 1.6HV		27	143	-16.10	-19.90	-22.60	3.70	-24	.60	-27.	50	-28.7	0	-29.00*	*	
14	AUG78	54 .4HH		27	143	-4.54	-11.90	-19.27	1.60	-25	.60	-29.	90	-31.9	0	-31.40*	*	
14	AUG78	55 .4HV		27	143	-15.91	-24.43	-30.41	2.10	-39	.5	-44.	70	-47.5	0	-45.82*	*	
14	AUG78	564.75HH		27	140	.	.	.	.	.	.	.	.	.	.	.	*	
14	AUG78	574.75HV		27	140	.	.	.	.	.	.	.	.	.	.	.	*	
14	AUG78	58 M	A	27	141	.	0.91	0.51	2.42	9	.46	.	.	.	.	24.64*	*	
14	AUG78	59HLHCVC		27	143	.	.	.	.	.	.	.	.	.	.	.	*	
14	AUG78	510FLD S	M	27	140	11.2	18.7	.	.	.	.	.	.	.	.	.	*	
14	AUG78	511 LN S	M	27	141	12.1	20.3	20.2	19.7	1	6.1	23	.3	21.	0		*	
14	AUG78	512 LN S	M	27	141	12.1	20.3	20.2	19.7	1	8.1	23	.3	21.	0		*	
14	AUG78	513CLDPN	K	27	143	.	287.7	289.3	.	.	.	.	.	.	.	.	*	
14	AUG78	514 PRYS		27	143	24.1	4.554	1	.182	.	.	38.	62	33.3	4		*	
14	AUG78	5113.3VV		27	242	2.20	-1.60	-5.40	7.50	-7	.40	-10.	20	-19.9	0	-10.40*	*	
14	AUG78	52 1.6HH		27	240	.	.	.	.	.	.	.	.	.	.	.	*	
14	AUG78	53 1.6HV		27	240	.	.	.	.	.	.	.	.	.	.	.	*	
14	AUG78	54 .4HH		27	242	-4.30	-12.40	-18.30	3.60	-27	.90	-31.	30	-33.1	0	-30.90*	*	
14	AUG78	55 .4HV		27	242	-19.90	-24.90	-34.50	6.50	-40	.70	-45.	90	-46.3	0	-44.00*	*	
14	AUG78	564.75HH		27	242	-10.62	-2.07	-3.06	6.57	-8	.52	-11.	62	-13.6	2	-14.26*	*	
14	AUG78	574.75HV		27	242	-3.81	-6.67	-13.26	4.65	-17	.46	-20.	38	-21.1	2	-23.19*	*	
14	AUG78	58 M	A	27	241	.	.	.	.	.	.	.	.	.	.	.	24.64*	
14	AUG78	59HLHCVC		27	242	255.8	.	.	.	.	.	.	.	.	.	.	*	
14	AUG78	510FLD S	M	27	240	11.2	12.7	.	.	.	.	.	.	.	.	.	*	
14	AUG78	511 LN S	M	27	242	8.9	16.2	16.1	16.3	1	5.3	18	.2	17.	3		*	
14	AUG78	512 LN S	M	27	242	8.9	16.2	16.1	16.3	1	5.3	18	.2	17.	3		*	
14	AUG78	513CLDPN	K	27	242	263.3	.	.	.	.	.	.	.	.	.	.	*	
14	AUG78	514 PRYS		27	242	23.6	.	.	.	.	.	38.	62	33.3	4		*	
17	AUG78																	

17	AUG78	6130LDPN	K	27	242	278.4	.	.	.	.	.	38.	62	33.3	4	.
17	AUG78	614 PRTS		27	242	21.5	.	.	.	.	.	.	79	-11.4	0	-10.50*
5	AUG78	2113.3VV	C1	191		1.80	-0.70	15.20	0.30	-4	.60	-6.	50	-12.1	0	-14.70*
5	AUG78	22 1.6HH	C1	191		-8.50	-0.00	13.10	0.10	-9	.10	-11.	50	-14.2	0	-14.80*
5	AUG78	23 1.6HV	C1	191		-15.60	-15.10	13.50	3.00	-12	.80	-13.	50	-26.0	0	-25.70*
5	AUG78	25 .4HH	C1	191		-4.80	-10.20	16.50	0.40	-21	.60	-29.	00	-34.0	0	-33.30*
5	AUG78	24 .4HV	C1	191		-12.60	-23.50	26.60	2.80	-23	.90	-33.	20	-1.0	0	-2.30*
5	AUG78	264.75HH	C1	191		8.90	6.90	4.10	2.40	1	.00	0.	10	-3.8	0	-5.70*
5	AUG78	274.75HV	C1	191		7.20	6.00	0.60	1.50	0	.50	-3.	40	.	.	.
5	AUG78	28HH	C	C1	191	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	29HLHCVC	C1	191	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	210FLD S	N	C1	191	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	211 LN S	N	C1	191	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	212 LN S	N	C1	191	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	2130LDPN	:	C1	191	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	214 PRTS	:	C1	191	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	2113.3VV	C1	292	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	22 1.6HH	C1	292	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	23 1.6HV	C1	292	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	24 .4HH	C1	292	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	25 .4HV	C1	292	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	264.75HH	C1	292	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	274.75HV	C1	292	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	28HH	C	C1	292	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	29HLHCVC	C1	292	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	210FLD S	N	C1	292	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	211 LN S	N	C1	292	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	212 LN S	N	C1	292	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	2130LDPN	:	C1	292	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	214 PRTS	:	C1	292	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	2113.3VV	M1	191		4.80	1.00	-2.50	0.10	-4	.80	-8.	40	-9.4	0	-10.40*
5	AUG78	22 1.6HH	M1	191		-4.40	-9.70	11.00	0.50	-12	.70	-15.	40	-16.6	0	-17.30*
5	AUG78	23 1.6HV	M1	191		-17.70	-17.90	17.00	7.40	-16	.70	-17.	50	-35.4	0	-34.70*
5	AUG78	25 .4HH	M1	191		-4.50	-14.20	21.00	2.30	-25	.40	-33.	90	-43.1	0	-42.70*
5	AUG78	24 .4HV	M1	191		-12.70	-23.80	30.90	2.70	-39	.60	-42.	00	-1.0	0	-2.30*
5	AUG78	264.75HH	M1	191		11.90	7.80	4.40	1.60	1	.00	-1.	40	-3.3	0	-7.70*
5	AUG78	274.75HV	M1	191		7.20	5.00	0.10	0.00	-2	.10	-4.	30	.	.	.
5	AUG78	28HH	L	M1	191	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	29HLHCVC	M1	191	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	210FLD S	N	M1	191	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	211 LN S	N	M1	191	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	212 LN S	N	M1	191	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	2130LDPN	:	M1	191	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	214 PRTS	:	M1	191	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	2113.3VV	M1	292	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	22 1.6HH	M1	292	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	23 1.6HV	M1	292	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	24 .4HH	M1	292	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	25 .4HV	M1	292	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	264.75HH	M1	292	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	274.75HV	M1	292	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	28HH	L	M1	292	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	29HLHCVC	M1	292	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	210FLD S	N	M1	292	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	211 LN S	N	M1	292	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	212 LN S	N	M1	292	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	2130LDPN	:	M1	292	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	214 PRTS	:	M1	292	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	2113.3VV	C2	191		5.40	1.80	-2.80	4.20	-3	.60	-7.	50	-7.5	0	-8.80*

5	AUG78	22	1.6HH	C2	191	-14.80	-17.10	-18.00	-1	6.40	-8	.70	-10.	70	-13.1	0	-12.40*
5	AUG78	23	1.6HH	C2	191	-15.00	-13.90	-13.30	-1	3.40	-11	.40	-12.	90	-15.0	0	-16.40*
5	AUG78	25	.4HH	C2	191	-11.90	-17.30	-16.20	-2	0.30	-24	.60	-26.	20	-27.3	0	-26.40*
5	AUG78	24	.4HH	C2	191	-20.80	-23.80	-24.40	-2	7.90	-29	.40	-31.	50	-33.0	0	-32.90*
5	AUG78	264.75HH	C2	191	11.30	6.40	6.40		5.30	3	.70	1.	20	2.0	0	-1.10*	
5	AUG78	274.75HV	C2	191	8.60	7.10	2.40		2.40	1	.10	-2.	20	-1.3	0	-5.40*	
5	AUG78	28HH	C2	191	.	.	.		.		.	.	.	.	.	.	.
5	AUG78	29HLHCVC	C2	191	.	.	.		.		.	.	.	.	.	.	.
5	AUG78	210FLD S	C2	191	.	.	.		.		.	.	.	.	.	.	.
5	AUG78	211 LN S	C2	191	.	.	.		.		.	.	.	.	.	.	.
5	AUG78	212 LN S	C2	191	.	.	.		.		.	.	.	.	.	.	.
5	AUG78	213GLDPH	C2	191	.	.	.		.		.	.	.	.	.	.	.
5	AUG78	214 PRTS	C2	191	.	.	.		.		.	.	.	.	.	.	.
5	AUG78	2113.3VV	C2	292	.	.	.		.		.	.	.	.	.	.	.
5	AUG78	22 1.6HH	C2	292	.	.	.		.		.	.	.	.	.	.	.
5	AUG78	23 1.6HH	C2	292	.	.	.		.		.	.	.	.	.	.	.
5	AUG78	24 .4HH	C2	292	.	.	.		.		.	.	.	.	.	.	.
5	AUG78	25 .4HV	C2	292	.	.	.		.		.	.	.	.	.	.	.
5	AUG78	264.75HH	C2	292	.	.	.		.		.	.	.	.	.	.	.
5	AUG78	274.75HV	C2	292	.	.	.		.		.	.	.	.	.	.	.
5	AUG78	28HH	C2	292	.	.	.		.		.	.	.	.	.	.	.
5	AUG78	29HLHCVC	C2	292	.	.	.		.		.	.	.	.	.	.	.
5	AUG78	210FLD S	C2	292	.	.	.		.		.	.	.	.	.	.	.
5	AUG78	211 LN S	C2	292	.	.	.		.		.	.	.	.	.	.	.
5	AUG78	212 LN S	C2	292	.	.	.		.		.	.	.	.	.	.	.
5	AUG78	213GLDPH	C2	292	.	.	.		.		.	.	.	.	.	.	.
5	AUG78	214 PRTS	C2	292	.	.	.		.		.	.	.	.	.	.	.
5	AUG78	2113.3VV	M2	292	5.10	5.10	0.10		2.10	-2	.70	-8.	00	-9.	0	-10.10*	
5	AUG78	22 1.6HH	M2	292	3.40	0.20	-4.30		9.00	-13	.00	-17.	40	-19.5	0	-20.50*	
5	AUG78	23 1.6HH	M2	191	-15.40	-17.50	-18.30		8.00	-19	.80	-21.	50	-22.3	0	-24.00*	
5	AUG78	25 .4HH	M2	191	-7.50	-11.90	-16.50		6.00	-23	.30	-33.	90	-35.6	0	-34.90*	
5	AUG78	24 .4HV	M2	191	-20.20	-21.50	-25.90		3.51	-23	.40	-23.	50	-25.2	0	-26.50*	
5	AUG78	264.75HH	M2	191	14.00	10.50	7.70		4.80	2	.50	0.	00	-1.0	0	-2.60*	
5	AUG78	274.75HV	M2	191	7.60	3.40	-0.80		0.90	-3	.20	-5.	60	-4.6	0	-7.20*	
5	AUG78	28HH	M2	191	.	.	.		.		.	.	.	.	.	.	.
5	AUG78	29HLHCVC	M2	191	.	.	.		.		.	.	.	.	.	.	.
5	AUG78	210FLD S	M2	191	.	.	.		.		.	.	.	.	.	.	.
5	AUG78	211 LN S	M2	191	.	.	.		.		.	.	.	.	.	.	.
5	AUG78	212 LN S	M2	191	.	.	.		.		.	.	.	.	.	.	.
5	AUG78	213GLDPH	M2	191	.	.	.		.		.	.	.	.	.	.	.
5	AUG78	214 PRTS	M2	191	.	.	.		.		.	.	.	.	.	.	.
5	AUG78	2113.3VV	M2	292	.	.	.		.		.	.	.	.	.	.	.
5	AUG78	22 1.6HH	M2	292	.	.	.		.		.	.	.	.	.	.	.
5	AUG78	23 1.6HH	M2	292	.	.	.		.		.	.	.	.	.	.	.
5	AUG78	24 .4HH	M2	292	.	.	.		.		.	.	.	.	.	.	.
5	AUG78	25 .4HV	M2	292	.	.	.		.		.	.	.	.	.	.	.
5	AUG78	264.75HH	M2	292	.	.	.		.		.	.	.	.	.	.	.
5	AUG78	274.75HV	M2	292	.	.	.		.		.	.	.	.	.	.	.
5	AUG78	28HH	M2	292	.	.	.		.		.	.	.	.	.	.	.
5	AUG78	29HLHCVC	M2	292	.	.	.		.		.	.	.	.	.	.	.
5	AUG78	210FLD S	M2	292	.	.	.		.		.	.	.	.	.	.	.
5	AUG78	211 LN S	M2	292	.	.	.		.		.	.	.	.	.	.	.
5	AUG78	212 LN S	M2	292	.	.	.		.		.	.	.	.	.	.	.
5	AUG78	213GLDPH	M2	292	.	.	.		.		.	.	.	.	.	.	.
5	AUG78	214 PRTS	M2	292	.	.	.		.		.	.	.	.	.	.	.
5	AUG78	2113.3VV	C3	191	6.10	1.40	-3.80		4.10	-4	.50	-7.	90	-7.8	0	-9.40*	
5	AUG78	22 1.6HH	C3	191	-2.20	-5.80	-5.80		7.40	-8	.40	-10.	70	-12.3	0	-13.50*	
5	AUG78	23 1.6HH	C3	191	-13.20	-13.20	-13.10		2.50	-11	.10	-13.	60	-15.6	0	-16.00*	
5	AUG78	25 .4HH	C3	191	-8.60	-16.10	-19.40		1.50	-22	.30	-28.	40	-28.3	0	-26.90*	

[illegible]

## APPENDIX C

### FIELD NOTES FROM THE DALHART STUDY

## FIELD 1/2

CROP DESCRIPTION - row crop corn near maturity  
corn was dense and sample points well shaded, generally  
the taller the corn the denser  
corn around perimeter ~4-5 feet tall

FIELD 1 ----- Point 1 corn is short and stressed  
Points 4,6,7 corn is 5-6 feet tall  
Points 2,3,5,8 corn is 6-7.5 feet tall

FIELD 2 ----- Points 1,2,3,7 corn is 5.5-6 feet tall  
Points 4,5,6,8 corn is 7-8 feet tall

ROW DIRECTION - east/west

SOIL CHARACTERISTICS -

FIELD 1 ----- Points 1,3 clay pan at ~8-10 cm  
Points 6 clay pan at ~15 cm

FIELD 2 ----- Points 1,5 clay below ~15 cm

RIG SCHEDULE - full circle in ~11 days; continuous irrigation

SPECIAL NOTES - fields were not sampled on August 19 due to pesticide  
spraying, weeds were prevalent throughout the field



## FIELD 3/4

CROP DESCRIPTION - drilled, immature millet  
~10" between rows

FIELD 3 ----- millet shorter than in FIELD 4

ROW DIRECTION - East/West. There was a 10 - 15 foot set of circular rows around the perimeter of the field (no sample points were within this area).

- SOIL CHARACTERISTICS - clod size 3-4 inches.  
dry crusty surfaces unless under rig  
most points moist below 6 cm

RIG SCHEDULE - full circle in ~5 days  
the rig was off August 16-18.

SPECIAL NOTES - Growth of the millet was quite rapid. In observations in our first time period (late July - early August) the field was bare with the millet just beginning to sprout. By the time we resumed the project 1½ weeks later, the millet was 1 foot tall. By August 16, the crop was as high as 18 inches tall and very dense.

FIELD 5/6

CROP DESCRIPTION - pasture with blue gramma (3-4"), short brown grasses  
scattered yucca (2-3" tall)  
grass cover - 70-90%  
yucca more dense towards north

ROW DIRECTION - none

SOIL CHARACTERISTICS - fairly consistent throughout entire field  
moisture was still maintained below 2 cm 4 days  
after rain

FIELD 5 ----- Point 4 on hill; drier than other points  
Point 2 near watering hole; hard, compacted by  
cattle

RIG SCHEDULE - no rig

SPECIALL NOTES - pasture responded to August 14 due to rain

## FIELD 7/8

CROP DESCRIPTION - Row crop corn near maturity, ~7.5 feet tall (6-8'), corn is more uniform in height all the way to the edge than the other fields.

ROW DIRECTION - East/West

### SOIL CHARACTERISTICS -

FIELD 7 ----- 8/13 - moist to 45 cm

8/15 - wet to 45 cm

8/17 - moist to 45 cm

8/19 - surface wet then moist to 45 cm

FIELD 8 ----- 8/13 - Point 1 had damp surface, damp below  
Points 2 and 4 under water  
all other points damp or moist to 45 cm

8/15 - all points wet to very wet to 45 cm

8/17 - Point 2 under water  
Point 4 driest in field  
all other points moist to 45 cm

8/19 - ~1/2 of the points dry surface, moist to 45 cm  
other points moist surface, moist to 45 cm

RIG SCHEDULE - 6 day cycle; continuous irrigation

## FIELD 9/10

CROP DESCRIPTION - ~5-7 foot row crop corn near maturity  
corn generally taller on west side of field, up to  
9 feet  
generally, the points in the east side of the fields  
had less shade from crown closure due to grasshopper  
attack, leaves were very sparse in some areas

ROW DIRECTION - East/West

SOIL CHARACTERISTICS - generally sandy and easy to work at all depths  
even when irrigation had not been present for  
several days

FIELD 9 ----- Point 8 and general area was usually quite wet;  
soil more compacted and higher clay content

RIG SCHEDULE - ~7 day cycle

SPECIAL NOTES - pesticides sprayed 8/16

there was an area of about 20 feet across running  
East/West through South side of FIELD 10 where no  
corn existed; grass 2-3 feet tall was thick

most points were grassy with dense grass on west side  
volunteer weeds up to 10 feet tall were present through-  
out the fields

## FIELD 11/12

CROP DESCRIPTION - row crop corn near maturity

FIELD 11 ---- ~8-10 feet tall with south field a little shorter than  
north field  
average 85% shade

ROW DIRECTION - East/West

SOIL CHARACTERISTICS - generally sandy, easy to sample

FIELD 11 ---- clay at points 2,6,7, few weeds  
point 2 always saturated or very wet  
8/13 - moist at all points and depths, point 2 surface  
very wet  
8/15 - moist at all points and depths, points 2,4,6  
surface very wet  
8/17 - moist at all points and depths, point 2 standing  
in water  
8/19 - moist at all points and depths, points 6,8 no  
samples because standing in water

FIELD 12 ---- 8/13 - moist all depths, point 1 and 2 more clay  
point 8 30 cm, hard caliche  
8/15 - surface wet on points 1,2,3, all other points  
and depths moist  
8/17 - moist to all points and depths  
8/19 - moist to all points and depths

RIG SCHEDULE - 3 days full cycle circle; the rig had stopped August 15,  
unsure of its exact location

## FIELD 13/14

**CROP DESCRIPTION** - ripped and mulched stubble with volunteer weeds on the half of the field running Northeast/Southwest to the western side of the line - weeds 12-14 inches, very dense, decreasing in density and height as move to the Southwest part of field. Weeds did not exist in the first project period. August 14 - cows grazing.

**ROW DIRECTION** - Northeast/Southwest

**SOIL CHARACTERISTICS** - sandy surface, dry but soft, moist below 2-4 cm  
clod size 6 inches

**RIG SCHEDULE** - rig off during entire period; oriented Northeast

**SPECIAL NOTES** - there was a ring of standing stubble (6-12 inches tall, ~10-20 feet wide) around the perimeter of the field, then a ring of mulched then the weeds.

## FIELD 15/16

CROP DESCRIPTION - bare with patches of stubble

ROW DIRECTION - Northeast/Southwest

SOIL CHARACTERISTICS - the field since period one has been burned so it is very clean with only a couple patches of standing stubble here and there.

FIELD 15 ----- 8/14 - points 1,2, and 3 plowed rough, rest of field smooth  
light precipitation at 9:30 am

8/16 - points generally dry at surface, moist to ~10 cm

8/18 - area of rough surface drier than other points which are dry at surface and below ~15 cm

FIELD 16 ----- 8/14 - all points but 8 are rough

8/16 - points 5, and 7 sandy  
top 1 cm dry, moist below to 10 cm on all points but 8 (which was moist all the way down under dry surface)

8/18 - points generally dry at surface (top 2 cm) and moist to 7 cm  
points 7 and 8 moist all the way down

RIG SCHEDULE - the rig was never on - Southwest orientation

SPECIAL NOTES - a swale runs through the field Northwest/Southeast (Carrizo Creek)  
there are two strips of stubble, one disked running Southwest/Northeast through the circle and one standing running from pivot due West to edge of field

FIELD 17/18

CROP DESCRIPTION - standing stubble, 12 inches tall

ROW DIRECTION - none

SOIL CHARACTERISTICS -

FIELD 17 ----- 8/18 - dry to 5 inches, moist to 15 inches, then dry  
points 4,6,7 were very dry

RIG SCHEDULE - rig never on, Northeast orientation



FIEL / 19/20

CROP DESCRIPTION - disked stubble with ring of weeds around the outer  
edge of the field

ROW DIRECTION - Northeast/Southwest

SOIL CHARACTERISTICS -

FIELD 19 - 8/13 - 0-8 cm powdery surface  
8/15 - points 1,6,8 moist to 10 cm, rest to 15 cm  
8/17 - top 4 cm dry 5-15 moist

FIELD 20 - sandy to 10 cm; clay pan below  
8/15 - wet to 10-15 cm

RIG SCHEDULE - never moved, Southwest orientation

SPECIAL NOTES - blow out area on South side of circle (FIELD 20)  
section SE-NW was chiseled  
blowout covered at least  $\frac{1}{4}$  of FIELD 20 and there was  
area between points 5,7,8, in FIELD 19 that was in the  
same condition  
field fertilized prior to 8/13

FIELD 19 - 8/19 - point 3 in chiseled area - fertilized here

FIELD 21/22

CROP DESCRIPTION - disked stubble, planted in wheat, volunteer grass ~3-4"

ROW DIRECTION - Northeast/Southwest, most pronounced row direction in  
the bare fields, ring of circular rows around perimeter of  
field

SOIL CHARACTERISTICS - soft

FIELD 21 ----- 8/13 - moist 7-15 cm  
8/15 - points 1 and 3 driest at 15 cm; others wet  
below that  
8/17 - top 4 cm dry, moist to 15 cm  
8/19 - top 4 cm dry, moist to 15 cm

FIELD 22 ----- 8/13 - samples taken on top of furrows  
field has been plowed

RIG SCHEDULE - Northeast, no irrigation

SPECIAL NOTES - 8/15 - fertilized

**APPENDIX D**

**FINAL DATA SET FOR DALHART, TEXAS**

# DALHART - HEADER INFORMATION FOR DATA BASE

Each field has a set of 14 cards for each date.

Each card has the following information in columns 1-24:

1-2	Day
4-8	Month/year
9	Flight # (1 through 4)
10-11	Card # (1 through 14)
12-17	Sensor or SM
19-20	Field # (1 through 22)
22-23	Line
24	Run

Card 13 (column 17) has a one digit character unique to each field. For Dalhart those characters are numbers and symbols. For example field 1 is 1, field 2 is 2,.....field 12 is +.

Card 8 in each set has a one to two digit field symbol (column 16-17) to describe the crop type. they are as follows:

C= corn L= milo

P= pasture

T= millet

DS= disked stubble

MS= mulched stubble

WS= wheat stubble

In cases where field 13/14 are each divided into weeds and bare they are symbolized by BS (bare stubble) or VS (vegetated stubble).

Columns 26-80 list all the ground and aircraft averages for each field.

## COLUMNS

CARDS		COLUMNS							
		26-31	33-38	40-45	47-52	54-59	61-66	68-73	75-80
#1-7	Scatts	5°	10°	15°	20°	25°	35°	40°	45°
8	NS001	Ch 1	2	3	4	5	6	7	8
9	MFMR	HL	HC	VC	#pts	#pts	#pts		
10	SM	0-2cm	2-5	5-15	0-15	15-30	30-45		
11-12	SM	"	"	"	"	"	"	*	**

ORIGINAL PAGE IS  
OF POOR QUALITY

# DALHART - HEADER INFORMATION FOR DATA BASE

( cont'd from pg. 1)

## COLUMNS

CARDS

	26-31	33-38	40-45	47-52	54-59	61-66	68-73	75-80
13	wet wt. biomass (g/m <sup>2</sup> )	dry wt. biomass (g/m <sup>2</sup> )			yield (lb/acre)			
14	PRT-5	°C	#pts	PVI	TVI			

- \* Card 11, columns 68-75 list the points used in the MRM field averages.
- Card 12, columns 68-75 list the points used in the Scatt field averages.
- \*\* #1 in column 77 denotes fields that were flagged and averaged by hand.

Blanks in the data base where values normally exist, mean the values are not available or have been deleted.

## DALHART FIELD CHARACTERS

The following characters designate each field in the data base outputs and computer graphs

FIELD	CHARACTER
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	0
11	-
12	+
13	<
14	>
15	(
16	)
17	\$
18	*
19	%
20	#
21	/
22	?
13B	BS
13W	VS
14B	BS
14W	VS

## DALHART PYIC

14	AUG801	113.3VV	01	121	1.81	-0.20	-3.14	-4.94	-4.88	-6.62	-6.71	-6.14
14	AUG801	21.6HH	01	121	-17.89	-13.88	-17.25	-16.81	-16.69	-18.41	-20.86	-21.58
14	AUG801	31.6HV	01	121	-18.47	-22.35	-24.97	-23.84	-24.84	-25.83	-28.60	-28.75
14	AUG801	4.4HH	01	121	-15.90	-21.05	-23.48	-26.00	-27.08	-31.40	-30.11	-30.28
14	AUG801	5.4HV	01	121	-21.40	-27.67	-32.16	-34.65	-35.66	-45.12	-46.63	-35.77
14	AUG801	64.75HH	01	121	3.98	0.32	-3.03	-3.58	-5.69	-7.45	-6.99	-8.75
14	AUG801	74.75HV	01	121	4.25	-6.75	-10.23	-10.38	-15.18	-12.15	-11.25	-12.36
14	AUG801	8NS C	01		0.63	1.27	0.96	9.89	4.77	.	.	20.20
14	AUG801	9HLHCVC	01	112	277.1	265.3	275.2					
14	AUG801	10FLD SM	01		6.6	7.0	7.9	7.6	9.1	9.4		
14	AUG801	11LN SM	01	112	6.6	7.0	7.9	7.6	9.1	9.4		
14	AUG801	12LN SM	01	121	6.6	7.0	7.9	7.6	9.1	9.4		
14	AUG801	13	01		4460.4	835.8	6915.1	1259.8				
14	AUG801	14 PRYS	01	112	19.8		3.272	1.150	4287.0			
16	AUG802	113.3VV	01	112	2.06	0.22	-3.83	-6.12	-4.93	-7.72	-7.91	-7.98
16	AUG802	21.6HH	01	112	-14.06	-16.42	-16.37	-18.88	-17.41	-19.05	-22.36	-21.96
16	AUG802	31.6HV	01	112	-13.30	-21.75	-23.45	-24.11	-24.08	-24.87	-29.00	-28.41
16	AUG802	4.4HH	01	112	-12.47	-16.27	-19.42	-23.53	-25.46	-21.26	-27.97	-29.39
16	AUG802	5.4HV	01	112	-17.54	-19.71	-23.67	-26.81	-29.78	-39.19	-41.78	-39.30
16	AUG802	64.75HH	01	112	10.97	5.53	2.09	1.43	-1.26	-4.25	-1.15	-5.08
16	AUG802	74.75HV	01	112	10.79	2.68	0.35	-0.28	-3.45	-2.67	-1.91	-2.78
16	AUG802	8NS C	01		0.77	1.44	0.93	10.52	6.52	10.18	3.57	19.80
16	AUG802	9HLHCVC	01	111	270.6	260.4	269.3					
16	AUG802	10FLD SM	01		13.2	13.7	15.5	14.4	16.3	15.1		
16	AUG802	11LN SM	01	111	13.1	13.5	15.9	14.9	16.4	15.2		
16	AUG802	12LN SM	01	112	13.2	13.7	15.5	14.4	16.3	15.1		
16	AUG802	13	01		4460.4	835.8	6915.1	1259.8				
16	AUG802	14 PRYS	01	111	19.4		3.545	1.156	4287.0			
16	AUG803	113.3VV	01	112	2.69	0.73	-3.10	-5.51	-4.43	-7.09	-7.70	-7.55
16	AUG803	21.6HH	01	112	-14.76	-17.10	-15.97	-19.78	-16.75	-19.72	-22.63	-23.54
16	AUG803	31.6HV	01	112	-14.50	-23.40	-23.79	-24.39	-24.63	-25.47	-30.20	-27.65
16	AUG803	4.4HH	01	112	-10.02	-14.77	-18.89	-23.05	-25.94	-29.21	-29.61	-29.31
16	AUG803	5.4HV	01	112	-19.61	-22.86	-25.92	-29.72	-32.70	-43.33	-43.87	-44.08
16	AUG803	64.75HH	01	112	12.26	6.55	3.73	1.55	0.02	-2.34	-1.29	-3.48
16	AUG803	74.75HV	01	112	10.33	4.65	1.33	1.11	-1.75	-1.07	-0.32	-0.77
16	AUG803	8NS C	01		0.75	1.39	0.90	10.23	6.53	9.71	3.61	23.40
16	AUG803	9HLHCVC	01	111	274.9	267.1	275.9					
16	AUG803	10FLD SM	01		13.2	13.7	15.5	14.4	16.3	15.1		
16	AUG803	11LN SM	01	111	13.1	13.5	15.9	14.9	16.4	15.2		
16	AUG803	12LN SM	01	112	13.1	13.5	15.9	14.9	16.4	15.2		
16	AUG803	13	01		4460.4	835.8	6915.1	1259.8				
16	AUG803	14 PRYS	01	111	23.8		3.472	1.157	4287.0			
16	AUG804	113.3VV	01	113	-1.15	-2.83	-6.09	-7.28	-6.16	-7.59	-8.22	-7.94
16	AUG804	21.6HH	01	113	-18.00	-18.76	-22.98	-22.00	-21.54	-23.11	-25.58	-26.06
16	AUG804	31.6HV	01	113	-16.26	-24.58	-27.49	-27.78	-27.91	-28.71	-32.72	-32.03
16	AUG804	4.4HH	01	113	-11.97	-16.00	-20.38	-23.23	-26.24	-29.83	-30.59	-30.22
16	AUG804	5.4HV	01	113	-20.10	-24.41	-28.02	-31.96	-34.28	-42.85	-44.44	-44.23
16	AUG804	64.75HH	01	113	9.66	4.12	2.02	1.06	0.08	-2.07	-0.97	-3.03
16	AUG804	74.75HV	01	113	9.48	-0.90	-5.42	-5.36	-8.57	-6.62	-5.49	-5.14
16	AUG804	8NS C	01		0.97	1.74	1.13	11.29	7.17	11.75	4.21	31.10
16	AUG804	9HLHCVC	01	111	295.4	283.0	293.8					
16	AUG804	10FLD SM	01		7.3	9.7	12.5	10.7	14.7	14.1		
16	AUG804	11LN SM	01	111	7.7	9.1	12.7	11.1	15.1	13.1		
16	AUG804	12LN SM	01	113	8.1	10.6	12.7	11.0	14.2	14.8		
16	AUG804	13	01		4460.4	835.8	6915.1	1259.8				
16	AUG804	14 PRYS	01	111	29.7		3.704	1.148	4287.0			
14	AUG801	113.3VV	02	111	-0.11	-1.57	-4.96	-6.66	-5.61	-7.71	-7.72	-8.07

14	AUG801	21.6HH	02	111	-17.42	-17.33	-19.66	-20.02	-20.35	-21.22	-23.54	-25.02
14	AUG801	31.6HV	02	111	-18.31	-21.02	-24.97	-26.06	-26.96	-28.19	-31.52	-33.45
14	AUG801	4.4HH	02	111	-17.35	-21.50	-24.03	-27.00	-27.89	-32.46	-35.59	-39.62
14	AUG801	5.4HV	02	111	-20.35	-26.92	-31.17	-32.77	-35.21	-43.76	-45.19	-48.19
14	AUG801	64.75HH	02	111	8.75	4.10	1.29	0.54	-1.03	-2.66	-3.97	-6.00
14	AUG801	74.75HV	02	111								
14	AUG801	8NS C	02		0.77	1.43	1.15	10.70	6.45			20.30
14	AUG801	9HLHCVC	02	122	288.5	273.0	282.0					
14	AUG801	10FLD SM	02		4.3	7.3	9.8	9.0	14.3	15.8		
14	AUG801	11LN SM	02	122	4.0	7.3	9.8	9.3	14.0	15.8		
14	AUG801	12LN SM	02	111	4.8	7.6	9.8	9.3	14.0	15.8		
14	AUG801	13	2	02	4460.4	835.8	6915.1	1259.1				
14	AUG801	14 PRT5	02	122	20.0		3.460	1.143	4287.0			
14	AUG802	113.3VV	02	122	2.43	1.01	-2.84	-5.22	-4.45	-7.44	-7.41	-9.15
14	AUG802	21.6HH	02	122	-13.79	-15.57	-15.27	-15.62	-15.93	-19.15	-22.27	-22.58
14	AUG802	31.6HV	02	122	-14.04	-22.59	-23.03	-24.15	-23.27	-25.61	-28.71	-28.67
14	AUG802	4.4HH	02	122	-9.97	-14.71	-19.74	-21.69	-20.02	-29.00	-28.71	-27.26
14	AUG802	5.4HV	02	122	-18.60	-17.00	-26.50	-26.70	-33.10	-41.20	-43.90	-43.60
14	AUG802	64.75HH	02	122	11.21	5.80	3.06	1.55	-0.65	-3.19	-2.36	-5.13
14	AUG802	74.75HV	02	122	10.15	3.55	0.71	0.25	-2.58	-1.73	-1.52	-1.54
14	AUG802	8NS C	02		0.93	1.63	1.13	11.21	8.97	11.17	4.00	20.30
14	AUG802	9HLHCVC	02	121	267.2	260.6	269.3					
14	AUG802	10FLD SM	02		15.7	15.6	17.1	16.9	20.2	20.8		
14	AUG802	11LN SM	02	121	15.7	15.6	17.1	16.9	20.2	20.8		
14	AUG802	12LN SM	02	122	17.7	16.7	19.1	18.6	22.4	23.2		
14	AUG802	13	2	02	4460.4	835.8	6915.1	1259.1				
14	AUG802	14 PRT5	02	121	19.3		3.659	1.147	4287.0			
14	AUG803	113.3VV	02	122	2.68	0.87	-2.90	-5.85	-4.25	-7.22	-7.33	-7.34
14	AUG803	21.6HH	02	122	-14.66	-15.47	-16.00	-16.70	-15.99	-18.59	-21.37	-22.29
14	AUG803	31.6HV	02	121	-13.71	-23.38	-25.89	-27.41	-27.57	-29.34	-32.50	-31.83
14	AUG803	4.4HH	02	122	-9.77	-14.69	-17.55	-21.85	-23.05	-28.50	-28.07	-27.07
14	AUG803	5.4HV	02	122	-16.40	-19.54	-25.08	-27.88	-31.44	-41.41	-43.78	-45.46
14	AUG803	64.75HH	02	122	11.77	7.04	4.01	2.45	0.50	-2.37	-1.23	-3.19
14	AUG803	74.75HV	02	122	10.59	5.24	2.21	1.82	-1.26	-0.30	0.57	-0.20
14	AUG803	8NS C	02		0.84	1.54	1.06	10.12	6.58	10.28	3.91	23.60
14	AUG803	9HLHCVC	02	121	271.6	265.4	274.7					
14	AUG803	10FLD SM	02		15.7	15.6	17.1	16.9	20.2	20.8		
14	AUG803	11LN SM	02	121	15.7	15.6	17.1	16.9	20.2	20.8		
14	AUG803	12LN SM	02	122	16.6	16.3	18.7	17.9	21.2	22.2		
14	AUG803	13	2	02	4460.4	835.8	6915.1	1259.1				
14	AUG803	14 PRT5	02	121	23.8		3.282	1.145	4287.0			
14	AUG804	113.3VV	02	122	0.43	-1.83	-4.91	-7.09	-5.35	-8.43	-8.62	-8.76
14	AUG804	21.6HH	02	122	-15.80	-18.15	-18.05	-21.10	-18.80	-21.30	-24.40	-24.00
14	AUG804	31.6HV	02	122	-16.80	-23.63	-25.81	-26.44	-26.61	-28.47	-31.22	-30.93
14	AUG804	4.4HH	02	122	-8.73	-15.25	-20.22	-23.36	-26.03	-31.42	-31.97	-31.16
14	AUG804	5.4HV	02	122	-16.86	-22.29	-27.56	-32.08	-34.97	-45.11	-46.51	-46.46
14	AUG804	64.75HH	02	122	10.25	5.67	2.45	1.11	-1.14	-2.98	-2.18	-3.49
14	AUG804	74.75HV	02	122	3.77	-3.22	-7.46	-7.95	-11.17	-9.55	-8.03	-8.30
14	AUG804	8NS C	02		0.92	1.65	1.09	9.77	6.38	10.53	4.16	29.80
14	AUG804	9HLHCVC	02	121	289.1	279.8	291.4					
14	AUG804	10FLD SM	02		11.4	12.2	17.7	15.0	20.9	22.7		
14	AUG804	11LN SM	02	121	8.6	10.8	16.7	13.0	19.0	21.7		
14	AUG804	12LN SM	02	122	8.6	10.8	16.7	13.0	19.0	21.7		
14	AUG804	13	2	02	4460.4	835.8	6915.1	1259.1				
14	AUG804	14 PRT5	02	121	28.7		3.101	1.139	4287.0			
14	AUG801	113.3VV	03	121	1.71	0.21	-3.84	-5.89	-5.03	-7.38	-8.19	-7.42
14	AUG801	21.6HH	03	121	-10.80	-11.10	-17.10	-18.60	-17.50	-24.50	-25.50	-28.10
14	AUG801	31.6HV	03	121	-15.80	-23.20	-27.30	-29.70	-28.60	-31.90	-35.70	-33.40
14	AUG801	4.4HH	03	121	-12.00	-17.40	-21.20	-24.50	-28.40	-35.90	-36.30	-35.90
14	AUG801	5.4HV	03	121	-19.80	-25.30	-32.00	-36.70	-41.10	-50.90	-51.30	-53.20

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14	AUG801	64.75HH	03	121	5.79	0.62	-2.44	-4.35	-5.23	-8.95	-8.47	-9.30
14	AUG801	74.75HV	03	121	-2.30	-8.76	-14.90	-17.30	-17.90	-19.40	-18.70	-17.60
14	AUG801	BNS T	03		0.82	1.69	1.37	8.09	3.73	.	.	20.90
14	AUG801	9HLHCVC	03	112	257.5	255.7	261.7					
14	AUG801	10FLD SM	03		9.4	7.9	11.8	9.9	19.8	22.8		
14	AUG801	11LN SM	03	112	10.0	8.2	11.6	10.5	19.3	23.5		
14	AUG801	12LN SM	03	121	9.4	7.9	11.8	9.9	19.8	22.8		
14	AUG801	13	3	03	797.5	120.6	.	.				
14	AUG801	14 PRT5	03	112	20.4		2.149	1.100	1500.0			
16	AUG802	113.3VV	03	112	0.31	-1.80	-4.74	-7.28	-5.78	-9.04	-8.71	-8.44
16	AUG802	21.6HH	03	112	-12.10	-18.07	-20.74	-24.46	-24.17	-28.70	-31.57	-32.61
16	AUG802	31.6HV	03	112	-15.73	-25.16	-28.82	-33.14	-32.41	-34.85	-36.30	-37.20
16	AUG802	4.4HH	03	112	-14.90	-15.78	-19.38	-23.25	-27.15	-30.50	-37.40	-38.05
16	AUG802	5.4HV	03	112	-19.55	-22.98	-28.61	-36.81	-41.32	-50.72	-52.68	-56.59
16	AUG802	64.75HH	03	112	10.43	4.10	1.74	-0.85	-3.01	-6.09	-4.1	-7.01
16	AUG802	74.75HV	03	112	8.20	-1.83	-3.82	-4.36	-6.66	-4.91	-4.96	-6.03
16	AUG802	BNS T	03		1.21	2.42	1.76	11.40	7.13	15.10	5.78	20.90
16	AUG802	9HLHCVC	03	111	268.7	268.8	274.0					
16	AUG802	10FLD SM	03		6.1	8.3	13.5	11.2	24.2	27.5		
16	AUG802	11LN SM	03	111	8.3	7.6	12.6	9.7	22.6	26.5		
16	AUG802	12LN SM	03	112	6.3	7.6	12.6	9.7	22.6	26.5		
16	AUG802	13	3	03	797.5	120.6	.	.				
16	AUG802	14 PRT5	03	111	20.1		3.177	1.110	1500.0			
16	AUG803	113.3VV	03	112	-0.61	-1.57	-4.92	-7.40	-5.81	-8.67	-8.95	-6.67
16	AUG803	21.6HH	03	112	-10.36	-18.77	-19.70	-27.00	-22.90	-30.43	-31.77	-32.88
16	AUG803	31.6HV	03	112	-15.91	-25.15	-29.45	-32.97	-32.47	-35.01	-37.19	-37.57
16	AUG803	4.4HH	03	112	-9.79	-15.15	-19.87	-22.95	-26.37	-34.52	-34.92	-35.83
16	AUG803	5.4HV	03	112	-20.21	-24.03	-29.97	-37.08	-40.16	-50.56	-52.00	-56.53
16	AUG803	64.75HH	03	112	11.90	3.59	0.94	-0.51	-3.07	-4.50	-3.96	-4.18
16	AUG803	74.75HV	03	112	9.75	-1.10	-2.52	-3.65	-4.89	-4.27	-3.96	-3.43
16	AUG803	BNS T	03		1.31	2.58	1.97	11.10	7.73	16.90	6.49	2.40
16	AUG803	9HLHCVC	03	111	273.9	274.9	283.1					
16	AUG803	10FLD SM	03		6.1	8.3	13.5	11.2	24.2	27.5		
16	AUG803	11LN SM	03	111	8.3	7.6	12.6	9.7	22.6	26.5		
16	AUG803	12LN SM	03	112	6.3	7.6	12.6	9.7	22.6	26.5		
16	AUG803	13	3	03	797.5	120.6	.	.				
16	AUG803	14 PRT5	03	111	27.2		2.863	1.155	1500.0			
18	AUG804	113.3VV	03	113	-2.09	-2.73	-6.32	-8.42	-7.50	-9.77	-9.01	-9.38
18	AUG804	21.6HH	03	113	-16.28	-19.76	-23.13	-26.26	-24.66	-31.63	-33.00	-34.26
18	AUG804	31.6HV	03	113	-15.07	-24.79	-28.92	-33.16	-34.05	-35.82	-37.61	-38.37
18	AUG804	4.4HH	03	113	-12.57	-15.57	-20.19	-24.63	-26.90	-35.98	-36.04	-36.99
18	AUG804	5.4HV	03	113	-21.22	-26.81	-32.15	-38.28	-41.71	-52.99	-54.13	-56.61
18	AUG804	64.75HH	03	113	11.78	4.11	1.34	-0.27	-3.03	-4.66	-3.71	-5.18
18	AUG804	74.75HV	03	113	7.90	-1.93	-6.38	-6.57	-9.06	-6.53	-5.59	-5.87
18	AUG804	BNS T	03		1.54	2.99	2.18	12.98	8.67	18.89	7.01	34.50
18	AUG804	9HLHCVC	03	111	297.0	282.7	293.1					
18	AUG804	10FLD SM	03		1.9	5.0	9.8	7.5	22.0	27.0		
18	AUG804	11LN SM	03	111	2.2	5.6	10.6	8.4	23.1	27.5		
18	AUG804	12LN SM	03	113	2.2	5.6	10.6	8.4	23.1	27.5		
18	AUG804	13	3	03	797.5	120.6	.	.				
18	AUG804	14 PRT5	03	111	33.9		3.458	1.101	1500.0			
14	AUG801	113.3VV	04	111	-0.57	-1.98	-6.01	-7.78	-6.42	-9.05	-9.28	-8.53
14	AUG801	21.6HH	04	111	-13.56	-15.41	-20.58	-23.68	-23.15	-29.31	-30.99	-32.45
14	AUG801	31.6HV	04	111	-13.64	-22.00	-27.82	-32.18	-33.47	-35.63	-37.41	-37.76
14	AUG801	4.4HH	04	111	-15.55	-17.52	-23.45	-25.15	-28.27	-34.63	-36.35	-36.70
14	AUG801	5.4HV	04	111	-21.58	-25.15	-32.55	-39.01	-43.46	-51.77	-53.96	-54.05
14	AUG801	64.75HH	04	111	9.56	3.99	1.09	-0.49	-2.54	-4.85	-3.79	-5.63
14	AUG801	74.75HV	04	111	.	.	.	.	.	.	.	.
14	AUG801	BNS T	04		1.37	2.67	2.16	12.29	6.74	.	.	21.70
14	AUG801	9HLHCVC	04	122	282.7	269.6	278.4					

14	AUG80110FLD SM	04		3.0	4.3	9.7	7.5	14.7	19.4		
14	AUG80111LN SM	04	122	3.0	4.3	9.7	7.5	14.7	19.4		
14	AUG80112LN SM	04	111	2.9	4.7	9.6	7.5	13.5	18.5		
14	AUG80113	4	04	797.5	120.6						
14	AUG80114 PRTS	04	122	20.3		3.192	1.096	1500.0			
16	AUG802 113.3VV	04	122	0.34	-0.76	-5.70	-6.16	-6.29	-6.44	-8.74	-8.88
16	AUG802 21.6HH	04	122	-14.37	-15.04	-22.43	-20.70	-25.17	-28.74	-30.33	-31.60
16	AUG802 31.6HV	04	122	-14.76	-24.72	-25.21	-29.99	-32.49	-34.59	-35.16	-35.57
16	AUG802 4.4HH	04	122	-13.36	-17.65	-20.15	-23.73	-27.45	-34.61	-34.41	-37.48
16	AUG802 5.4HV	04	122	-21.90	-26.17	-33.38	-39.36	-43.72	-50.58	-51.07	-55.05
16	AUG802 64.75HH	04	122	10.38	2.99	0.83	-1.21	-3.28	-5.26	-5.41	-6.22
16	AUG802 74.75HV	04	122	10.10	0.67	-4.64	-4.30	-8.26	-6.05	-4.46	-5.76
16	AUG802 8NS T	04		1.25	2.54	1.84	12.07	8.13	16.61	6.15	21.50
16	AUG802 9HLHCVC	04	121	258.8	265.7	273.8					
16	AUG80210FLD SM	04		6.4	7.8	12.5	11.3	19.1	24.0		
16	AUG80211LN SM	04	11	5.8	7.4	12.3	11.1	18.0	24.1		
16	AUG80212LN SM	04	122	5.8	7.4	12.3	11.1	18.0	24.1		
16	AUG80213	4	04	797.5	120.6						
16	AUG80214 PRTS	04	121	20.8		3.390	1.112	1500.0			
16	AUG803 113.3VV	04	122	1.29	-0.97	-4.83	-5.83	-5.71	-8.66	-9.22	-8.79
16	AUG803 21.6HH	04	122	-12.45	-16.11	-20.30	-24.08	-23.03	-28.35	-31.74	-31.56
16	AUG803 31.6HV	04	122	-15.22	-25.20	-29.54	-31.67	-31.17	-34.25	-35.61	-36.79
16	AUG803 4.4HH	04	122	-12.23	-15.57	-20.13	-23.35	-29.25	-35.33	-34.68	-38.11
16	AUG803 5.4HV	04	122	-22.22	-25.53	-31.80	-38.41	-42.95	-51.33	-53.69	-53.97
16	AUG803 64.75HH	04	122	10.51	4.43	1.16	0.36	-2.01	-3.95	-3.95	-5.02
16	AUG803 74.75HV	04	122	9.93	-0.07	-3.62	-4.15	-7.09	-4.63	-3.75	-4.84
16	AUG803 8NS T	04		1.32	2.60	1.93	11.36	8.01	16.79	6.42	26.40
16	AUG803 9HLHCVC	04	121	273.8	274.7	281.8					
16	AUG80310FLD SM	04		6.4	7.8	12.5	11.3	19.1	24.0		
16	AUG80311LN SM	04	121	6.4	7.8	12.5	11.3	19.1	24.0		
16	AUG80312LN SM	04	122	5.8	7.4	12.3	11.1	18.0	24.1		
16	AUG80313	4	04	797.5	120.6						
16	AUG80314 PRTS	04	121	27.7		2.986	1.096	1500.0			
18	AUG804 113.3VV	04	122	-2.30	-3.34	-7.25	-7.49	-7.32	-9.25	-10.14	-10.04
18	AUG804 21.6HH	04	122	-15.82	-10.10	-24.06	-23.76	-25.51	-30.11	-31.64	-32.93
18	AUG804 31.6HV	04	122	-16.14	-24.75	-29.62	-32.52	-33.30	-36.16	-38.18	-38.25
18	AUG804 4.4HH	04	122	-13.72	-15.60	-19.04	-22.66	-27.00	-35.74	-36.08	-39.64
18	AUG804 5.4HV	04	122	-18.91	-23.60	-29.05	-37.15	-40.95	-49.45	-52.15	-52.89
18	AUG804 64.75HH	04	122	11.48	4.21	1.20	-0.42	-1.76	-4.55	-4.26	-5.49
18	AUG804 74.75HV	04	122	3.01	-6.95	-10.64	-10.79	-14.85	-12.04	-10.30	-11.54
18	AUG804 8NS T	04		1.33	2.56	1.63	11.20	7.60	16.05	6.03	34.10
18	AUG804 9HLHCVC	04	121	297.3	284.3	294.2					
18	AUG80410FLD SM	04		1.6	4.1	9.0	7.3	16.1	20.2		
18	AUG80411LN SM	04	121	1.7	3.9	8.7	7.1	15.1	19.8		
18	AUG80412LN SM	04	122	1.7	4.5	9.0	7.4	16.5	19.7		
18	AUG80413	4	04	797.5	120.6						
18	AUG80414 PRTS	04	121	34.1		3.031	1.104	1500.0			
14	AUG801 113.3VV	05	121	2.18	-1.69	-7.01	-9.15	-9.15	-11.97	-12.98	-12.45
14	AUG801 21.6HH	05	121	-15.87	-15.18	-20.94	-24.42	-25.37	-31.81	-35.03	-37.30
14	AUG801 31.6HV	05	121	-19.40	-26.30	-30.29	-36.41	-35.60	-42.39	-43.88	-45.35
14	AUG801 4.4HH	05	121	-15.33	-20.31	-23.30	-28.26	-29.38	-37.33	-38.47	-38.67
14	AUG801 5.4HV	05	121	-24.70	-30.59	-34.88	-43.11	-44.96	-52.93	-55.82	-55.69
14	AUG801 64.75HH	05	121	6.06	-0.61	-6.15	-8.53	-11.03	-15.90	-17.25	-19.15
14	AUG801 74.75HV	05	121	3.54	-13.44	-23.23	-24.91	-28.04	-22.41	-25.28	-24.98
14	AUG801 8NS P	05		1.74	2.76	2.74	7.27	4.66			21.90
14	AUG801 9HLHCVC	05	112	288.1	276.6	285.9					
14	AUG80110FLD SM	05		1.7	2.4	4.0					
14	AUG80111LN SM	05	112	1.7	2.4	4.0					
14	AUG80112LN SM	05	121	1.7	2.4	4.0					
14	AUG80113	5	05	125.3	16.2						

14	AUG80114	PRTS	05	112	21.5		0.555	0.975										
16	AUG802	113.3VV	05	112	2.54	-1.00	-0.25	-9.68	-9.35	-13.59	-12.51	-14.21						
16	AUG802	21.6HH	05	112	-9.99	-14.43	-17.09	-22.25	-23.12	-26.94	-33.05	-34.38						
16	AUG802	31.6HV	05	112	-13.58	-23.25	-29.14	-33.25	-34.65	-39.08	-41.67	-43.09						
16	AUG802	4.4HH	05	112	-7.81	-14.82	-19.17	-22.94	-26.04	-34.30	-35.54	-34.88						
16	AUG802	5.4HV	05	112	-15.31	-20.77	-27.55	-33.68	-39.16	-45.40	-48.91	-51.10						
16	AUG802	64.75HH	05	112	12.40	5.52	-0.08	-3.35	-6.32	-11.00	-12.08	-13.09						
16	AUG802	74.75HV	05	112	14.99	-4.15	-11.03	-12.70	-15.69	-13.75	-13.28	-13.67						
16	AUG802	BNS P	05		1.75	2.74	2.53	6.78	5.67	19.92	7.78	21.80						
16	AUG802	9HLHCVC	05	111	252.0	257.1	266.4											
16	AUG80210FLD	SM	05		7.7	11.6	13.8											
16	AUG80211LN	SM	05	111	7.7	11.6	13.8											
16	AUG80212LN	SM	05	112	7.3	10.7	14.9											
16	AUG80213	S	05		125.3	16.2												
16	AUG80214	PRTS	05	111	21.3		0.543	0.978										
16	AUG803	113.3VV	05	112	2.38	-0.53	-4.80	-8.70	-9.39	-12.92	-13.65	-13.97						
16	AUG803	21.6HH	05	112	-8.08	-13.84	-15.45	-23.25	-22.71	-29.15	-33.06	-35.03						
16	AUG803	31.6HV	05	112	-14.50	-24.76	-28.66	-34.14	-35.92	-39.49	-42.76	-43.22						
16	AUG803	4.4HH	05	112	-7.68	-14.91	-19.40	-23.97	-27.78	-35.33	-34.59	-35.97						
16	AUG803	5.4HV	05	112	-15.42	-22.62	-28.54	-37.20	-41.33	-49.41	-51.52	-53.72						
16	AUG803	64.75HH	05	112	14.49	6.97	1.39	-1.29	-4.66	-9.29	-9.10	-11.02						
16	AUG803	74.75HV	05	112	11.58	-2.55	-9.05	-11.01	-14.09	-12.20	-11.53	-11.74						
16	AUG803	BNS P	05		1.98	3.08	2.81	6.97	6.18	22.32	9.16	29.80						
16	AUG803	9HLHCVC	05	111	254.9	270.2	279.6											
16	AUG80310FLD	SM	05		7.7	11.6	13.8											
16	AUG80311LN	SM	05	111	7.7	11.6	13.8											
16	AUG80312LN	SM	05	112	7.7	11.6	13.8											
16	AUG80313	S	05		125.3	16.2												
16	AUG80314	PRTS	05	111	31.3		0.541	0.989										
16	AUG804	113.3VV	05	113	1.10	-2.11	-6.94	-9.93	-9.62	-13.04	-14.32	-12.81						
16	AUG804	21.6HH	05	113	-13.55	-17.39	-21.07	-25.49	-26.27	-31.05	-33.78	-35.25						
16	AUG804	31.6HV	05	113	-16.79	-25.14	-30.02	-34.68	-34.92	-41.02	-43.25	-42.82						
16	AUG804	4.4HH	05	113	-7.12	-14.72	-20.67	-25.51	-27.93	-37.36	-35.97	-37.73						
16	AUG804	5.4HV	05	113	-17.05	-24.10	-30.95	-38.63	-43.94	-52.13	-53.63	-53.45						
16	AUG804	64.75HH	05	113	12.53	5.10	-0.19	-2.26	-4.93	-9.26	-8.53	-10.13						
16	AUG804	74.75HV	05	113	9.75	-8.07	-13.58	-14.81	-17.76	-15.94	-14.72	-14.56						
16	AUG804	BNS P	05		2.34	3.55	3.22	7.79	6.60	24.58	0.13	41.30						
16	AUG804	9HLHCVC	05	111	292.1	285.9	296.1											
16	AUG80410FLD	SM	05		4.7	9.1	12.6											
16	AUG80411LN	SM	05	111	4.7	9.1	12.6											
16	AUG80412LN	SM	05	113	5.3	9.7	12.8											
16	AUG80413	S	05		125.3	16.2												
16	AUG80414	PRTS	05	111	41.0		0.339	0.955										
16	AUG801	113.3VV	06	111	0.71	-1.73	-7.09	-9.93	-10.10	-13.87	-14.74	-14.58						
16	AUG801	21.6HH	06	111	-14.80	-16.72	-20.95	-25.31	-25.91	-31.79	-35.53	-37.78						
16	AUG801	31.6HV	06	111	-13.65	-22.44	-28.97	-34.20	-36.74	-42.42	-45.81	-46.04						
16	AUG801	4.4HH	06	111	-14.53	-20.11	-23.67	-27.08	-29.46	-38.20	-39.24	-39.44						
16	AUG801	5.4HV	06	111	-22.76	-26.89	-35.15	-42.56	-46.71	-54.18	-55.63	-57.54						
16	AUG801	64.75HH	06	111	10.57	3.94	-1.01	-3.77	-6.72	-10.96	-12.01	-13.69						
16	AUG801	74.75HV	06	111														
16	AUG801	BNS P	06			2.91	2.87	7.36	4.99			22.70						
16	AUG801	9HLHCVC	06	122	288.8	277.0	287.4											
16	AUG80110FLD	SM	06		1.3	1.9	3.2											
16	AUG80111LN	SM	06	122	1.3	1.9	3.2											
16	AUG80112LN	SM	06	111	1.3	1.9	3.2											
16	AUG80113	S	06		125.3	15.2												
16	AUG80114	PRTS	06	122	21.4		0.485	0.969										
16	AUG802	113.3VV	06	122	2.00	-1.19	-6.49	-9.71	-9.79	-13.53	-13.53	-13.65						
16	AUG802	21.6HH	06	122	-9.52	-15.38	-16.81	-23.45	-23.18	-28.81	-33.12	-36.00						
16	AUG802	31.6HV	06	122	-14.37	-23.93	-28.20	-34.20	-36.34	-39.60	-43.23	-44.36						

16	AUG802	4.4HH	06	122	-9.85	-15.20	-19.77	-23.69	-27.46	-34.57	-34.01	-36.94
16	AUG802	5.4HV	06	122	-18.30	-24.31	-30.12	-38.50	-43.22	-49.66	-52.72	-54.10
16	AUG802	64.75HH	06	122	13.64	5.84	1.12	-2.05	-5.12	-9.86	-10.04	-11.50
16	AUG802	74.75HV	06	122	11.20	-4.86	-10.39	-12.50	-15.09	-13.52	-12.59	-13.13
16	AUG802	8NS P	06	121	1.93	2.98	2.75	6.99	6.20	22.27	8.73	23.20
16	AUG802	9HLHCVC	06	121	252.1	260.9	268.2					
16	AUG802	10FLD SM	06	121	7.1	10.2	11.9					
16	AUG802	11LN SM	06	121	7.1	10.2	11.9					
16	AUG802	12LN SM	06	122	6.8	9.8	12.1					
16	AUG802	13	6	06	125.3	15.2						
16	AUG802	14 PRTS	06	121	22.8	0.434	0.967					
16	AUG803	113.3VV	06	122	2.24	-0.75	-5.66	-10.04	-9.44	-13.52	-13.15	-14.11
16	AUG803	21.6HH	06	122	-8.33	-15.43	-16.57	-23.29	-22.84	-29.35	-32.74	-34.44
16	AUG803	31.6HV	06	122	-14.10	-24.39	-28.93	-34.23	-35.83	-39.83	-42.86	-43.35
16	AUG803	4.4HH	06	122	-7.23	-13.15	-17.99	-23.15	-26.37	-33.34	-34.04	-37.29
16	AUG803	5.4HV	06	122	-17.12	-22.79	-29.49	-37.40	-42.10	-50.41	-52.99	-53.90
16	AUG803	64.75HH	06	122	14.63	6.29	1.23	-0.70	-4.57	-9.16	-8.85	-11.25
16	AUG803	74.75HV	06	122	11.86	-3.93	-9.67	-11.63	-13.32	-12.38	-11.60	-12.20
16	AUG803	8NS P	06	121	2.05	3.16	2.90	7.03	6.46	23.18	9.50	30.80
16	AUG803	9HLHCVC	06	121	266.9	273.1	283.3					
16	AUG803	10FLD SM	06	121	7.1	10.2	11.9					
16	AUG803	11LN SM	06	121	7.1	10.2	11.9					
16	AUG803	12LN SM	06	122	5.8	9.6	12.1					
16	AUG803	13	6	06	125.3	15.2						
16	AUG803	14 PRTS	06	121	33.1	0.314	0.957					
16	AUG804	113.3VV	06	122	1.29	-2.33	-6.07	-10.49	-10.36	-13.06	-14.08	-14.60
16	AUG804	21.6HH	06	122	-9.36	-20.32	-18.58	-26.79	-25.53	-31.31	-34.35	-35.71
16	AUG804	31.6HV	06	122	-15.11	-24.60	-29.02	-35.24	-34.99	-41.75	-43.97	-44.31
16	AUG804	4.4HH	06	122	-3.50	-15.58	-19.09	-23.81	-28.84	-36.91	-37.21	-38.29
16	AUG804	5.4HV	06	122	-14.27	-22.03	-29.60	-37.52	-44.12	-51.21	-54.37	-52.82
16	AUG804	64.75HH	06	122	14.66	6.73	1.42	-1.19	-4.11	-8.84	-8.69	-9.52
16	AUG804	74.75HV	06	122	5.97	-10.78	-17.12	-19.00	-20.45	-18.91	-18.41	-17.93
16	AUG804	8NS P	06	121	2.11	3.16	2.87	6.84	6.60	22.36	9.13	40.10
16	AUG804	9HLHCVC	06	121	293.4	286.5	297.2					
16	AUG804	10FLD SM	06	121	3.2	7.6	10.3					
16	AUG804	11LN SM	06	121	2.7	6.8	9.6					
16	AUG804	12LN SM	06	122	2.7	6.8	9.6					
16	AUG804	13	6	06	125.3	15.2						
16	AUG804	14 PRTS	06	121	40.7	0.265	0.954					
16	AUG801	113.3VV	07	121	0.52	-6.95	-3.42	-3.87	-3.13	-5.39	-5.59	-6.43
16	AUG801	21.6HH	07	121	-18.32	-14.57	-18.02	-17.19	-17.15	-19.13	-21.47	-22.13
16	AUG801	31.6HV	07	121	-17.85	-21.71	-24.40	-23.16	-24.04	-25.67	-27.95	-27.52
16	AUG801	4.4HH	07	121	-15.28	-20.00	-21.15	-24.88	-25.43	-28.36	-30.59	-28.98
16	AUG801	5.4HV	07	121	-21.81	-26.75	-29.73	-33.22	-34.51	-43.40	-43.62	-42.48
16	AUG801	64.75HH	07	121	2.22	-1.08	-3.98	-5.94	-5.21	-6.60	-6.40	-8.75
16	AUG801	74.75HV	07	121	2.91	-7.52	-10.67	-11.14	-14.99	-11.94	-11.12	-11.39
16	AUG801	8NS C	07	121	0.64	1.23	0.83	12.70	5.47			19.90
16	AUG801	9HLHCVC	07	112	283.6	268.9	278.6					
16	AUG801	10FLD SM	07	121	14.4	15.1	19.5	18.2	22.3	23.2		
16	AUG801	11LN SM	07	112	16.5	16.8	20.9	19.9	25.3	25.0		
16	AUG801	12LN SM	07	121	14.4	15.1	19.5	18.2	22.3	23.2		
16	AUG801	13	7	07	7891.1	1340.6						
16	AUG801	14 PRTS	07	112	19.8	4.572	1.173	5676.0				
16	AUG802	113.3VV	07	112		-0.50	-3.80	-4.80	-3.60	-6.20	-6.90	-7.90
16	AUG802	21.6HH	07	112	-12.05	-14.22	-17.25	-18.67	-17.83	-21.12	-24.38	-25.07
16	AUG802	31.6HV	07	112	-15.25	-21.45	-23.73	-22.97	-23.95	-26.09	-28.21	-27.85
16	AUG802	4.4HH	07	112	-12.10	-15.51	-17.13	-20.79	-22.59	-27.34	-27.62	-27.41
16	AUG802	5.4HV	07	112	-14.68	-17.83	-22.25	-24.29	-26.74	-38.01	-37.74	-38.50
16	AUG802	64.75HH	07	112	7.94	3.06	0.69	0.37	-1.59	-4.20	-3.95	-5.83
16	AUG802	74.75HV	07	112	9.17	1.80	-1.61	-1.28	-5.57	-3.38	-1.94	-3.02

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15	AUG802	BNS	C	07	0.79	1.43	0.86	13.37	7.53	9.93	3.38	16.80
16	AUG802	9HLHCVC	07	111	277.3	270.1	278.0					
16	AUG802	10FLD	SM	07	19.1	18.0	21.7	20.5	24.1	24.9		
15	AUG802	11LN	SM	07	111	20.3	19.2	22.9	21.4	25.6	23.5	
16	AUG802	12LN	SM	07	112	18.3	17.4	20.8	20.3	23.2	24.8	
16	AUG802	13	7	07	7891.1	1340.6						
16	AUG802	14	PRTS	07	111	18.4	4.229	1.175	5676.0			
16	AUG803	113.3VV	07	112	0.65	-0.22	-3.06	-3.09	-4.40	-6.30	-5.72	-6.01
16	AUG803	21.6HH	07	112	-14.71	-17.24	-15.55	-19.77	-16.71	-19.53	-22.63	-22.85
16	AUG803	31.6HV	07	112	-14.10	-22.55	-22.59	-24.16	-22.59	-24.57	-28.65	-28.31
16	AUG803	4.4HH	07	112	-11.16	-13.62	-17.06	-19.33	-21.91	-23.76	-27.67	-27.89
16	AUG803	5.4HV	07	112	-17.33	-20.40	-23.53	-26.02	-30.61	-40.24	-41.82	-40.21
16	AUG803	64.75HH	07	112	10.97	4.40	1.70	1.47	-0.49	-2.76	-2.07	-3.58
16	AUG803	74.75HV	07	112	11.23	3.99	0.94	0.08	-2.35	-1.26	-0.90	-0.79
16	AUG803	BNS	C	07	0.73	1.32	0.75	12.84	7.35	8.92	3.28	21.90
16	AUG803	9HLHCVC	07	111	283.1	274.5	282.8					
16	AUG803	10FLD	SM	07	19.1	18.0	21.7	20.8	24.1	24.9		
16	AUG803	11LN	SM	07	111	19.1	18.0	21.7	20.8	24.1	24.9	
16	AUG803	12LN	SM	07	112	19.1	18.0	21.7	20.8	24.1	24.9	
16	AUG803	13	7	07	7891.1	1340.6						
16	AUG803	14	PRTS	07	111	22.4	4.701	1.179	5676.0			
18	AUG804	113.3VV	07	113	0.16	-0.99	-3.51	-6.02	-4.36	-5.71	-7.01	-7.05
18	AUG804	21.6HH	07	113	-13.41	-19.21	-14.32	-20.15	-16.96	-21.56	-21.50	-22.62
18	AUG804	31.6HV	07	113	-15.96	-23.67	-22.39	-24.29	-21.87	-24.55	-27.62	-27.62
18	AUG804	4.4HH	07	113	-5.93	-11.83	-14.94	-18.03	-20.57	-24.84	-27.38	-27.13
18	AUG804	5.4HV	07	113	-15.65	-17.65	-22.67	-26.64	-29.57	-35.88	-42.34	-41.14
18	AUG804	64.75HH	07	113	11.30	6.06	3.93	3.13	1.16	0.20	-0.15	-0.43
18	AUG804	74.75HV	07	113	7.73	-1.09	-1.75	-2.92	-3.39	-3.02	-3.94	-2.68
18	AUG804	BNS	C	07	0.89	1.55	0.89	13.88	7.76	9.94	3.49	26.80
18	AUG804	9HLHCVC	07	111	287.9	279.1	288.6					
18	AUG804	10FLD	SM	07	19.2	18.2	22.6	21.3	24.6	25.7		
18	AUG804	11LN	SM	07	111	16.4	16.1	21.6	19.6	23.9	25.7	
18	AUG804	12LN	SM	07	113	19.2	18.2	22.6	21.3	24.6	25.7	
18	AUG804	13	7	07	7891.1	1340.6						
18	AUG804	14	PRTS	07	111	25.7	5.016	1.175	5676.0			
14	AUG801	113.3VV	08	111	0.90	-0.23	-2.74	-4.58	-3.06	-5.52	-5.76	-6.60
14	AUG801	21.6HH	08	111	-16.67	-16.60	-18.44	-18.74	-17.80	-19.77	-22.98	-23.04
14	AUG801	31.6HV	08	111	-13.69	-20.99	-24.59	-24.07	-23.55	-26.03	-27.84	-29.70
14	AUG801	4.4HH	08	111	-14.67	-17.12	-19.77	-21.27	-22.46	-25.95	-28.33	-26.43
14	AUG801	5.4HV	08	111	-20.98	-24.53	-28.90	-31.12	-33.76	-42.69	-42.57	-42.50
14	AUG801	64.75HH	08	111	8.04	4.81	2.40	2.30	0.45	-1.26	-0.84	-3.08
14	AUG801	74.75HV	08	111	11.28	4.57	0.06	0.33	-2.95	-0.79	-0.03	0.13
14	AUG801	BNS	C	08		1.20	0.80	12.23	5.40			19.90
14	AUG801	9HLHCVC	08	122	286.5	271.5	280.6					
14	AUG801	10FLD	SM	08	15.5	14.7	19.4	17.1	22.2	22.8		
14	AUG801	11LN	SM	08	122	15.5	14.7	19.4	17.1	22.2	22.8	
14	AUG801	12LN	SM	08	111	15.5	14.7	19.4	17.1	22.2	22.8	
14	AUG801	13	8	08	7891.1	1340.6						
14	AUG801	14	PRTS	08	122	19.2	4.397	1.173	5676.0			
16	AUG802	113.3VV	08	122	0.54	-0.31	-3.57	-5.26	-3.73	-5.93	-7.09	-6.81
16	AUG802	21.6HH	08	122	-15.42	-16.82	-16.86	-18.89	-16.54	-20.42	-22.42	-23.16
16	AUG802	31.6HV	08	122	-14.10	-22.10	-22.80	-23.70	-22.90	-24.90	-28.50	-28.20
16	AUG802	4.4HH	08	122	-10.1	-14.25	-18.00	-22.70	-25.05	-31.75	-31.70	-32.43
16	AUG802	5.4HV	08	122	-17.25	-19.63	-23.24	-27.59	-30.91	-39.44	-41.31	-40.28
16	AUG802	64.75HH	08	122	10.07	3.35	1.30	0.60	-1.40	-3.51	-3.30	-4.58
16	AUG802	74.75HV	08	122	9.21	2.21	0.10	-0.68	-3.62	-2.28	-1.70	-3.08
16	AUG802	BNS	C	08	0.93	1.63	0.97	14.44	8.20	10.82	3.81	19.60
16	AUG802	9HLHCVC	08	121	280.5	268.8	277.0					
16	AUG802	10FLD	SM	08	19.3	18.2	21.7	20.9	24.3	24.4		
16	AUG802	11LN	SM	08	121	19.3	18.2	21.7	20.9	24.3	24.4	

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16	AUG80212LN	SM	08	122	19.5	17.7	21.8	20.8	23.5	23.3		
16	AUG80213		8	08	7891.1	1340.6						
16	AUG80214	PRT5	09	121	19.2		5.176	1.172	5676.0			
16	AUG803	113.3VV	08	122	0.56	-0.22	-3.03	-5.32	-4.01	-6.33	-6.50	-6.27
16	AUG803	21.6HH	08	122	-15.70	-18.17	-16.53	-19.98	-16.48	-23.07	-22.63	-23.14
16	AUG803	31.6HV	08	122	-14.56	-22.48	-23.42	-23.62	-23.01	-24.59	-29.03	-27.22
16	AUG803	4.4HH	08	122	-12.01	-13.20	-15.55	-18.88	-21.91	-27.53	-25.96	-25.95
16	AUG803	5.4HV	08	122	-18.13	-20.29	-23.36	-28.13	-30.05	-40.70	-41.60	-41.99
16	AUG803	64.75HH	08	122	11.85	4.60	2.86	1.45	-0.63	-2.64	-1.75	-3.77
16	AUG803	74.75HV	08	122	9.79	3.19	1.29	0.13	-2.00	-0.79	-0.52	-1.32
16	AUG803	8NS	C	08	0.82	1.42	0.80	13.08	7.65	9.75	3.49	22.50
16	AUG803	9HLHCVC	08	121	286.7	276.2	284.6					
16	AUG80310FLD	SM	08		19.3	18.2	21.7	20.9	24.3	24.4		
16	AUG80311LN	SM	08	121	19.3	18.2	21.7	20.9	24.3	24.4		
16	AUG80312LN	SM	08	122	19.3	17.7	21.8	20.8	23.5	23.3		
16	AUG80313		8	08	7891.1	1340.6						
16	AUG80314	PRT5	09	121	23.0		6.754	1.177	5676.0			
16	AUG804	113.3VV	08	122	-1.31	-1.88	-4.91	-5.27	-4.70	-5.07	-7.31	.
16	AUG804	21.6HH	08	122	-17.18	-16.58	-19.62	-18.93	-18.87	-20.56	-22.72	.
16	AUG804	31.6HV	08	122	-16.58	-22.21	-25.35	-23.64	-25.26	-27.43	-28.49	.
16	AUG804	4.4HH	08	122	-12.44	-15.15	-18.28	-20.99	-23.57	-29.51	-30.34	.
16	AUG804	5.4HV	08	122	-17.77	-20.37	-24.01	-28.55	-32.19	-41.74	-42.02	.
16	AUG804	64.75HH	08	122	10.43	5.45	2.45	1.18	0.07	-1.63	-2.26	.
16	AUG804	74.75HV	08	122	5.41	-3.43	-6.89	-6.68	-10.89	-9.15	-7.43	.
16	AUG804	8NS	C	08	0.89	1.47	0.85	12.82	7.31	9.35	3.44	26.80
16	AUG804	9HLHCVC	08	121	292.5	231.4	290.9					
16	AUG80410FLD	SM	08		12.7	14.0	18.8	17.5	21.5	22.4		
16	AUG80411LN	SM	08	121	12.5	13.8	15.7	17.1	20.4	21.2		
16	AUG80412LN	SM	08	122	12.7	14.0	18.6	17.5	21.5	22.4		
16	AUG80413		3	08	7891.1	1340.6						
16	AUG80414	PRT5	09	121	25.8		4.602	1.173	5676.0			
16	AUG801	113.3VV	09	121	-0.47	-1.97	-4.71	-5.93	-4.72	-7.12	-6.94	-5.77
16	AUG801	21.6HH	09	121	-16.91	-15.16	-18.68	-18.55	-17.74	-20.68	-22.68	-23.04
16	AUG801	31.6HV	09	121	-18.62	-22.19	-24.59	-23.95	-24.27	-26.62	-28.44	-29.06
16	AUG801	4.4HH	09	121	-13.13	-18.42	-21.74	-24.68	-25.45	-30.97	-28.99	-29.74
16	AUG801	5.4HV	09	121	-20.15	-26.65	-31.40	-36.55	-37.15	-46.35	-46.00	-47.45
16	AUG801	64.75HH	09	121	2.24	-1.65	-3.66	-4.05	-5.45	-6.94	-7.22	-8.68
16	AUG801	74.75HV	09	121	3.44	-6.87	-9.62	-9.53	-13.47	-11.99	-10.25	-10.88
16	AUG801	8NS	C	09	0.61	1.22	0.79	11.98	5.22	.	.	20.10
16	AUG801	9HLHCVC	09	112	284.8	270.6	279.2					
16	AUG80110FLD	SM	09		4.4	5.4	7.5	7.0	10.0	10.8		
16	AUG80111LN	SM	09	112	4.4	5.4	7.5	7.0	10.0	10.8		
16	AUG80112LN	SM	09	121	4.4	5.4	7.5	7.0	10.0	10.8		
16	AUG80113		9	09	7665.3	1280.4						
16	AUG80114	PRT5	09	112	19.5		4.397	1.173	5499.0			
16	AUG802	113.3VV	09	112	0.54	-0.94	-4.27	-6.37	-4.76	-6.53	-6.24	-7.32
16	AUG802	21.6HH	09	112	-11.67	-16.41	-14.94	-18.59	-15.68	-19.49	-21.70	-22.31
16	AUG802	31.6HV	09	112	-14.56	-21.06	-22.03	-23.62	-22.95	-24.17	-27.86	-26.90
16	AUG802	4.4HH	09	112	-1.11	-13.98	-17.47	-22.43	-21.89	-27.57	-27.30	-28.32
16	AUG802	5.4HV	09	112	-8.90	-16.85	-21.51	-24.99	-27.51	-36.99	-38.45	-38.48
16	AUG802	64.75HH	09	112	7.66	2.65	1.26	0.26	-1.65	-3.05	-2.37	-5.01
16	AUG802	74.75HV	09	112	10.96	4.03	0.65	0.12	-2.90	-1.60	-0.54	-1.05
16	AUG802	8NS	C	09	0.69	1.26	0.71	12.00	6.75	8.83	3.20	19.20
16	AUG802	9HLHCVC	09	111	277.4	269.3	277.6					
16	AUG80210FLD	SM	09		13.2	12.0	14.9	14.8	16.2	16.6		
16	AUG80211LN	SM	09	111	13.5	12.9	16.0	14.6	16.6	15.3		
16	AUG80212LN	SM	09	112	13.2	12.0	14.9	14.8	16.2	16.6		
16	AUG80213		9	09	7665.3	1280.4						
16	AUG80214	PRT5	09	111	18.9		4.385	1.178	5499.0			
16	AUG803	113.3VV	09	112	0.47	-0.49	-3.98	-6.09	-4.29	-7.57	-6.99	-7.51

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15	AUG803	21.6HH	09	112	-14.22	-15.14	-15.51	-17.56	-15.84	-19.36	-22.27	-23.35
16	AUG803	31.6HV	09	112	-14.75	-21.65	-23.07	-23.05	-23.04	-24.59	-27.77	-27.82
16	AUG803	4.4HH	09	112	-9.21	-13.85	-12.84	-20.20	-24.47	-27.73	-28.05	-28.33
16	AUG803	5.4HV	09	112	-17.15	-21.73	-26.15	-29.56	-33.57	-41.02	-42.98	-42.48
16	AUG803	64.75HH	09	112	10.97	4.92	5.37	3.10	0.49	-2.65	-2.42	-4.33
15	AUG803	74.75HV	09	112	10.97	5.36	2.63	2.25	-1.10	0.09	0.27	-0.73
15	AUG803	8NS C	09		0.63	1.27	0.70	11.81	6.61	8.55	3.24	22.80
16	AUG803	9HLHCVC	09	111	282.0	273.8	283.1					
16	AUG803	10FLD SM	09		13.2	13.3	14.9	14.8	16.2	16.6		
16	AUG803	11LN SM	09	111	13.2	12.0	14.9	14.3	16.2	16.6		
16	AUG803	12LN SM	09	112	13.2	12.0	14.9	14.3	16.2	16.6		
16	AUG803	13	9	09	7665.3	1280.4						
15	AUG803	14 PRTS	09	111	23.3		4.317	1.178	5499.0			
18	AUG804	113.3VV	09	113	-1.56	-2.28	-4.42	-7.21	-5.62	-7.29	-6.02	-7.39
18	AUG804	21.6HH	09	113	-11.91	-20.70	-15.99	-20.94	-17.92	-21.68	-22.60	-23.43
18	AUG804	31.6HV	09	113	-14.30	-23.14	-23.58	-25.25	-23.36	-25.47	-28.01	-27.70
18	AUG804	4.4HH	09	113	-2.03	-12.72	-15.49	-19.44	-22.32	-23.79	-29.27	-29.09
18	AUG804	5.4HV	09	113	-13.37	-19.65	-23.53	-28.25	-31.22	-41.57	-43.01	-45.30
15	AUG804	64.75HH	09	113	11.40	5.44	3.36	2.41	0.82	-1.09	-0.65	-1.41
18	AUG804	74.75HV	09	113	9.64	-0.45	-1.34	-2.82	-2.58	-3.49	-3.74	-3.57
18	AUG804	8NS C	09		0.84	1.52	0.84	12.98	7.35	9.68	3.49	28.10
18	AUG804	9HLHCVC	09	111	288.5	281.8	290.9					
18	AUG804	10FLD SM	09		14.3	13.3	15.2	14.7	14.9	16.9		
18	AUG804	11LN SM	09	111	14.3	13.3	15.2	14.7	14.9	16.9		
18	AUG804	12LN SM	09	113	14.3	13.3	15.2	14.7	14.9	16.9		
18	AUG804	13	9	09	7665.3	1280.4						
18	AUG804	14 PRTS	09	111	27.2		4.679	1.174	5499.0			
14	AUG801	113.3VV	10	111	0.15	-0.60	-3.40	-4.97	-3.71	-6.20	-6.32	-6.28
14	AUG801	21.6HH	10	111	-16.57	-16.63	-18.60	-19.48	-18.59	-20.29	-22.55	-24.25
14	AUG801	31.6HV	10	111	-13.53	-21.30	-24.65	-24.20	-25.73	-25.57	-28.95	-28.37
14	AUG801	4.4HH	10	111	-11.61	-17.34	-20.58	-23.40	-25.67	-28.08	-27.87	-28.91
14	AUG801	5.4HV	10	111	-20.84	-25.00	-30.34	-33.95	-35.99	-42.97	-44.29	-45.38
14	AUG801	64.75HH	10	111	7.82	4.06	1.96	1.52	-0.15	-2.26	-1.40	-2.67
14	AUG801	74.75HV	10	111	11.44	5.53	1.76	1.33	-2.19	-0.77	0.28	-0.36
14	AUG801	8NS C	10			1.08	0.71	11.25	5.02			20.00
14	AUG801	9HLHCVC	10	122	285.7	272.2	281.2					
14	AUG801	10FLD SM	10		4.9	5.1	7.0	7.5	10.1	11.0		
14	AUG801	11LN SM	10	122	4.9	5.1	7.0	7.5	10.1	11.0		
14	AUG801	12LN SM	10	111	4.9	5.1	7.0	7.5	10.1	11.0		
14	AUG801	13	0	10	7665.3	1280.4						
14	AUG801	14 PRTS	10	122	19.3		4.675	1.175	5499.0			
16	AUG802	113.3VV	10	122	-0.91	-1.02	-4.05	-6.52	-5.01	-7.91	-7.19	-7.25
16	AUG802	21.6HH	10	122	-14.52	-17.33	-17.25	-19.57	-17.50	-19.56	-23.77	-24.05
16	AUG802	31.6HV	10	122	-13.98	-22.31	-24.42	-23.73	-23.89	-25.05	-29.23	-28.74
16	AUG802	4.4HH	10	122	-8.91	-14.02	-18.12	-20.94	-24.11	-28.36	-27.82	-29.98
16	AUG802	5.4HV	10	122	-18.09	-20.91	-26.22	-29.52	-33.35	-43.95	-44.20	-43.97
16	AUG802	64.75HH	10	122	10.42	4.65	2.70	1.66	-0.24	-2.54	-2.32	-3.87
16	AUG802	74.75HV	10	122	9.03	3.53	1.45	0.47	-1.82	-1.70	-1.03	-3.05
16	AUG802	8NS C	10		0.80	1.45	0.80	13.57	7.74	10.10	3.66	20.10
16	AUG802	9HLHCVC	10	121	277.8	270.8	279.1					
16	AUG802	10FLD SM	10		14.6	13.3	15.7	15.0	16.2	17.0		
16	AUG802	11LN SM	10	121	14.4	13.0	15.5	14.6	16.0	16.8		
16	AUG802	12LN SM	10	122	14.4	13.0	15.5	14.6	16.0	16.8		
16	AUG802	13	0	10	7665.3	1280.4						
16	AUG802	14 PRTS	10	121	19.6		4.961	1.178	5499.0			
16	AUG803	113.3VV	10	122	-0.06	-1.07	-4.00	-6.40	-5.31	-7.08	-7.35	-5.45
16	AUG803	21.6HH	10	122	-15.16	-16.62	-16.85	-19.69	-17.67	-20.39	-23.02	-23.62
16	AUG803	31.6HV	10	122	-14.62	-21.83	-23.06	-23.51	-23.82	-25.24	-29.00	-27.99
16	AUG803	4.4HH	10	122	-8.06	-12.30	-16.07	-18.85	-21.51	-27.70	-27.39	-29.94
16	AUG803	5.4HV	10	122	-17.86	-20.94	-26.16	-29.64	-33.33	-42.19	-44.38	-43.94

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16	AUG803	64.75HH	10	122	10.84	4.99	3.24	1.54	0.53	-2.59	-1.57	-3.28
16	AUG803	74.75HV	10	122	9.77	4.74	2.65	1.64	-1.40	-0.52	0.59	0.10
16	AUG803	8NS C	10		0.74	1.35	0.73	12.51	7.32	9.12	3.44	23.30
16	AUG803	9HLHCVC	10	121	283.2	275.7	284.9					
16	AUG803	10FLD SM	10		14.3	13.3	15.7	15.0	16.2	17.0		
16	AUG803	11LN SM	10	121	14.8	13.5	15.7	15.0	16.2	17.0		
16	AUG803	12LN SM	10	121	14.4	13.0	15.5	14.6	16.0	16.8		
16	AUG803	13	0	10	7665.3	1280.4						
16	AUG803	14 PRYS	10	121	23.7		4.579	1.179	5499.0			
16	AUG804	113.3VV	10	122	-1.90	-2.72	-5.76	-6.55	-5.55	-8.46	-8.05	-7.75
16	AUG804	21.6HH	10	122	-15.36	-18.13	-19.34	-20.61	-19.60	-21.49	-24.15	-24.75
16	AUG804	31.6HV	10	122	-16.07	-23.10	-25.98	-26.45	-26.42	-26.81	-30.46	-29.64
16	AUG804	4.4HH	10	122	-9.62	-14.47	-19.54	-21.79	-25.63	-30.93	-30.25	-30.07
16	AUG804	5.4HV	10	122	-16.23	-20.63	-25.78	-29.56	-35.73	-42.34	-45.71	-45.15
16	AUG804	64.75HH	10	122	10.23	4.10	2.63	2.59	0.79	-1.77	-0.96	-2.53
16	AUG804	74.75HV	10	122	4.35	-2.09	-5.75	-6.12	-6.62	-6.50	-6.46	-6.62
16	AUG804	8NS C	10		0.75	1.36	0.76	12.27	7.10	9.24	3.37	28.10
16	AUG804	9HLHCVC	10	121	292.5	282.6	293.4					
16	AUG804	10FLD SM	10		8.7	9.1	13.2	11.5	14.6	14.2		
16	AUG804	11LN SM	10	121	8.4	8.8	12.0	11.5	14.6	14.3		
16	AUG804	12LN SM	10	122	9.0	9.4	14.4	11.4	14.5	14.2		
16	AUG804	13	0	10	7665.3	1280.4						
16	AUG804	14 PRYS	10	121	27.6		4.459	1.176	5499.0			
16	AUG801	113.3VV	11	121	2.48	-0.64	-3.24	-3.00	-3.10	-5.29	-5.62	-5.78
16	AUG801	21.6HH	11	121	-14.74	-12.68	-15.40	-15.65	-14.42	-17.05	-19.92	-21.22
16	AUG801	31.6HV	11	121	-17.63	-21.11	-23.21	-22.10	-22.39	-24.11	-26.94	-26.33
16	AUG801	4.4HH	11	121	-12.39	-16.75	-18.77	-22.64	-24.08	-26.90	-27.24	-29.75
16	AUG801	5.4HV	11	121	-20.10	-24.38	-28.64	-32.67	-34.82	-42.92	-43.54	-43.89
16	AUG801	64.75HH	11	121	3.97	-0.10	-2.55	-3.14	-4.25	-6.37	-5.44	-7.44
16	AUG801	74.75HV	11	121	3.81	-7.34	-9.78	-10.16	-13.88	-11.62	-10.51	-10.66
16	AUG801	8NS C	11		0.59	1.12	0.74	12.55	5.41			19.90
16	AUG801	9HLHCVC	11	112	280.6	267.2	278.1					
16	AUG801	10FLD SM	11		17.8	18.9	15.9	17.2	17.9	17.5		
16	AUG801	11LN SM	11	112	17.6	18.9	15.9	17.8	17.9	17.5		
16	AUG801	12LN SM	11	121	17.8	18.9	15.9	17.8	17.9	17.5		
16	AUG801	13	-	11	5892.7	1148.6						
16	AUG801	14 PRYS	11	112	19.5		4.587	1.178	9245.4			
16	AUG802	113.3VV	11	112	2.60	0.24	-2.10	-5.02	-3.89	-6.22	-6.32	-5.36
16	AUG802	21.6HH	11	112	-12.15	-16.99	-13.54	-18.89	-15.00	-18.62	-19.93	-21.68
16	AUG802	31.6HV	11	112	-13.72	-21.40	-21.71	-23.50	-21.88	-23.95	-26.89	-26.68
16	AUG802	4.4HH	11	112	-7.47	-11.21	-15.31	-17.82	-19.64	-24.27	-24.69	-25.74
16	AUG802	5.4HV	11	112	-11.40	-15.83	-19.34	-23.02	-27.08	-35.49	-38.43	-39.17
16	AUG802	64.75HH	11	112	10.10	4.29	1.95	0.87	-1.18	-3.74	-3.01	-4.35
16	AUG802	74.75HV	11	112	8.48	2.55	0.76	-0.62	-2.72	-2.24	-2.32	-1.94
16	AUG802	8NS C	11		0.68	1.20	0.69	12.45	6.90	8.70	3.11	18.60
16	AUG802	9HLHCVC	11	111	274.5	262.2	276.8					
16	AUG802	10FLD SM	11		39.0	27.9	30.2	30.8	29.2	25.6		
16	AUG802	11LN SM	11	111	41.5	29.2	30.3	31.7	32.1	28.4		
16	AUG802	12LN SM	11	112	39.0	27.9	30.2	30.8	29.2	25.6		
16	AUG802	13	-	11	5892.7	1148.6						
16	AUG802	14 PRYS	11	111	18.4		4.595	1.181	9245.4			
16	AUG803	113.3VV	11	112	2.46	0.71	-2.71	-4.60	-3.21	-5.82	-6.31	-6.14
16	AUG803	21.6HH	11	112	-14.20	-14.78	-15.02	-18.11	-15.13	-18.23	-20.94	-22.40
16	AUG803	31.6HV	11	112	-15.10	-20.95	-21.77	-23.81	-22.89	-23.31	-26.71	-26.59
16	AUG803	4.4HH	11	112	-7.95	-12.48	-15.71	-17.53	-20.36	-25.33	-24.20	-25.56
16	AUG803	5.4HV	11	112	-15.57	-18.68	-23.05	-26.44	-28.98	-41.25	-40.70	-40.92
16	AUG803	64.75HH	11	112	11.43	5.77	3.03	2.72	0.59	-1.69	-1.20	-2.53
16	AUG803	74.75HV	11	112	11.07	5.33	1.69	1.37	-1.77	-1.17	-0.27	-2.10
16	AUG803	8NS C	11		0.65	1.15	0.64	12.16	6.69	9.23	3.05	22.00
16	AUG803	9HLHCVC	11	111	278.6	273.0	282.0					

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16	AUG80310FLD SM	11		39.0	27.9	30.2	30.8	29.2	25.6			
16	AUG80311LN SM	11	111	39.0	27.9	30.2	30.8	29.2	25.6			
16	AUG80312LN SM	11	112	39.0	27.9	30.2	30.8	29.2	25.6			
16	AUG80313	-	11	5892.7	1148.6	.	.	.	.			
16	AUG80314 PRTS	11	111	22.2		4.516	1.183	9245.4				
16	AUG804 113.3VV	11	113	0.82	-1.06	-0.31	-5.59	-5.51	-7.11	-7.25	-7.37	
16	AUG804 21.6HH	11	113	-14.43	-16.43	-15.22	-18.21	-16.74	-18.82	-21.34	-21.68	
16	AUG804 31.6HV	11	113	-14.53	-22.20	-23.94	-23.63	-22.37	-24.73	-27.96	-27.39	
16	AUG804 4.4HH	11	113	-9.75	-14.03	-16.63	-19.19	-21.25	-26.65	-25.63	-25.25	
16	AUG804 5.4HV	11	113	-16.41	-20.32	-24.69	-27.47	-30.85	-40.86	-41.46	-42.59	
16	AUG804 64.75HH	11	113	12.60	6.85	3.85	3.22	1.32	-0.62	-0.36	-1.56	
16	AUG804 74.75HV	11	113	9.64	0.81	-0.47	-1.07	-2.81	-2.68	-1.74	-2.98	
16	AUG804 8NS C	11		0.80	1.35	0.76	13.16	7.31	9.17	3.27	26.60	
16	AUG804 9HLHCVC	11	111	287.1	277.0	288.4						
16	AUG80410FLD SM	11		29.0	26.1	29.4	29.2	26.4	26.5			
16	AUG80411LN SM	11	111	29.6	26.1	26.4	29.2	26.1	26.5			
16	AUG80412LN SM	11	113	29.6	25.4	27.9	27.8	27.1	25.8			
16	AUG80413	-	11	5892.7	1148.6	.	.	.	.			
16	AUG80414 PRTS	11	111	25.5		4.930	1.179	9245.4				
16	AUG801 113.3VV	12	111	1.79	0.24	-2.93	-3.62	-3.38	-5.54	-6.30	-5.81	
16	AUG801 21.6HH	12	111	-13.30	-14.52	-15.48	-17.09	-16.55	-13.59	-21.21	-22.08	
16	AUG801 31.6HV	12	111	-13.27	-19.77	-23.15	-22.61	-22.91	-24.18	-27.71	-26.79	
16	AUG801 4.4HH	12	111	-8.12	-14.61	-19.59	-22.30	-23.85	-27.28	-25.67	-27.93	
16	AUG801 5.4HV	12	111	-17.57	-23.08	-26.99	-31.14	-33.13	-40.80	-41.79	-41.40	
16	AUG801 64.75HH	12	111	9.48	5.02	2.90	2.23	1.10	-2.04	-0.82	-2.45	
16	AUG801 74.75HV	12	111	10.71	4.13	1.31	1.11	-2.80	-0.82	0.28	-0.72	
16	AUG801 8NS C	12		.	1.81	0.64	10.93	4.80	.	.	19.80	
16	AUG801 9HLHCVC	12	122	281.2	269.8	280.7						
16	AUG80110FLD SM	12		22.9	22.3	23.6	22.8	23.3	25.1			
16	AUG80111LN SM	12	122	22.9	22.3	23.6	22.8	23.3	25.1			
16	AUG80112LN SM	12	111	22.9	22.3	23.6	22.8	23.3	25.1			
16	AUG80113	+	12	5892.7	1148.6	.	.	.	.			
16	AUG80214 PRTS	12	122	19.1		3.999	1.178	9245.4				
16	AUG802 113.3VV	12	122	0.85	-0.93	-3.77	-6.31	-4.96	-6.75	-8.09	-7.83	
16	AUG802 21.6HH	12	122	-13.12	-16.25	-16.14	-19.23	-16.84	-19.23	-22.42	-22.59	
16	AUG802 31.6HV	12	122	-14.31	-21.71	-23.19	-24.03	-23.19	-25.01	-29.06	-26.36	
16	AUG802 4.4HH	12	122	-5.20	-14.29	-17.06	-20.85	-22.18	-28.70	-27.16	-28.38	
16	AUG802 5.4HV	12	122	-14.97	-19.55	-23.51	-28.13	-31.94	-41.34	-42.75	-41.52	
16	AUG802 64.75HH	12	122	9.69	3.97	1.96	1.29	-0.68	-3.28	-2.47	-4.53	
16	AUG802 74.75HV	12	122	8.60	4.59	0.76	-0.11	-3.16	-1.65	-0.46	-1.61	
16	AUG802 8NS C	12		0.80	1.44	0.79	13.91	7.89	10.37	3.81	19.60	
16	AUG802 9HLHCVC	12	121	278.1	271.2	279.9						
16	AUG80210FLD SM	12		25.8	23.4	24.5	25.6	23.5	25.5			
16	AUG80211LN SM	12	121	26.3	23.7	25.6	26.3	24.9	25.6			
16	AUG80212LN SM	12	122	26.3	23.7	25.6	26.3	24.9	25.6			
16	AUG80213	+	12	5892.7	1148.6	.	.	.	.			
16	AUG80314 PRTS	12	121	19.3		5.111	1.180	9245.4				
16	AUG803 113.3VV	12	122	1.38	-0.74	-3.03	-5.76	-4.21	-6.16	-6.73	-7.13	
16	AUG803 21.6HH	12	122	-11.04	-18.27	-15.19	-19.89	-16.60	-19.14	-21.91	-23.19	
16	AUG803 31.6HV	12	122	-13.31	-22.02	-22.34	-24.30	-22.64	-24.94	-28.24	-27.53	
16	AUG803 4.4HH	12	122	-1.59	-17.07	-14.18	-17.34	-20.43	-24.53	-25.49	-27.24	
16	AUG803 5.4HV	12	122	-14.81	-21.05	-24.01	-26.93	-31.43	-40.53	-42.49	-42.09	
16	AUG803 64.75HH	12	122	11.43	5.34	2.58	1.68	0.22	-2.04	-0.92	-3.19	
16	AUG803 74.75HV	12	122	10.55	3.40	2.03	0.93	-0.92	-0.47	0.19	-0.29	
16	AUG803 8NS C	12		0.71	1.27	0.70	12.88	7.38	9.20	3.33	22.70	
16	AUG803 9HLHCVC	12	121	282.7	274.8	284.8						
16	AUG80310FLD SM	12		25.8	23.4	24.5	25.6	23.5	25.5			
16	AUG80311LN SM	12	121	25.8	23.4	24.5	25.6	23.5	25.5			
16	AUG80312LN SM	12	122	26.3	23.7	25.6	26.3	24.9	25.6			
16	AUG80313	+	12	5892.7	1148.6	.	.	.	.			

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16	AUG80314	PRT5	12	121	23.4	4.758	1.112	9245.4				
18	AUG804	113.3VV	12	122	0.32	-1.35	-5.02	-8.15	-8.59	-8.15	-8.28	-8.16
18	AUG804	21.6HH	12	122	-14.01	-14.55	-17.18	-18.75	-17.71	-18.44	-20.82	-22.17
18	AUG804	31.6HV	12	122	-16.31	-22.01	-23.93	-22.89	-24.12	-25.79	-27.51	-27.93
18	AUG804	4.4HH	12	122	-13.47	-14.43	-17.06	-19.51	-20.13	-26.85	-27.04	-28.54
18	AUG804	5.4HV	12	122	-15.54	-20.29	-23.48	-26.46	-20.85	-38.39	-41.72	-42.51
18	AUG804	64.75HH	12	122	11.12	8.03	3.74	2.70	0.78	-1.61	-1.78	-2.74
18	AUG804	74.75HV	12	122	5.44	-0.12	-4.01	-4.26	-6.35	-7.51	-6.64	-7.59
18	AUG804	8NS C	12		0.73	1.25	0.68	12.40	3.55	8.75	3.12	26.70
18	AUG804	9HLHCVC	12	121	287.3	278.2	258.0					
18	AUG804	10FLD SM	12		24.5	22.7	24.6	24.5	24.9	25.8		
18	AUG804	11LN SM	12	121	22.3	20.7	24.5	23.2	26.7	26.4		
18	AUG804	12LN SM	12	122	24.3	22.7	24.8	24.5	24.9	25.8		
18	AUG80413	+	12		5892.7	1148.5						
18	AUG80414	PRT5	12	121	25.5	4.585	1.182	9245.4				
14	AUG801	113.3VV	13	121	0.17	-1.17	-4.52	-7.01	-6.92	-10.59	-11.46	-10.90
14	AUG801	21.6HH	13	121	-13.35	-15.49	-18.07	-21.92	-21.53	-25.78	-29.17	-30.51
14	AUG801	31.6HV	13	121	-15.14	-24.21	-26.53	-32.35	-32.25	-36.42	-39.73	-38.09
14	AUG801	4.4HH	13	121	-13.96	-17.71	-21.72	-25.00	-26.51	-34.93	-35.72	-37.58
14	AUG801	5.4HV	13	121	-22.42	-27.06	-32.25	-38.21	-45.53	-53.02	-54.18	-56.06
14	AUG801	64.75HH	13	121	5.72	1.59	-2.09	-3.74	-7.10	-11.63	-11.96	-12.61
14	AUG801	74.75HV	13	121	0.99	-12.48	-17.28	-18.92	-21.39	-20.55	-20.13	-19.69
14	AUG801	8NS MS	13		2.22	3.69	3.47	10.56	6.09			22.40
14	AUG801	9HLHCVC	13	112	286.1	268.9	279.3					
14	AUG801	10FLD SM	13		2.4	4.7	11.8	10.3	13.5	15.3		
14	AUG801	11LN SM	13	112	2.4	4.7	11.8	10.3	13.5	15.3		
14	AUG801	12LN SM	13	121	3.8	5.4	13.7	12.0	15.7	19.9		
14	AUG80113	<	13									
14	AUG80114	PRT5	13	112	22.1	1.279	1.003					
16	AUG802	113.3VV	13	112	9.83	1.87	-2.20	-6.07	-5.48	-8.47	-10.11	-11.52
16	AUG802	21.6HH	13	112	-1.90	-12.65	-9.85	-19.51	-19.09	-25.93	-26.40	-28.95
16	AUG802	31.6HV	13	112	-8.38	-20.58	-25.62	-31.38	-33.55	-39.58	-39.99	-43.49
16	AUG802	4.4HH	13	112	5.82	-13.16	-17.15	-18.20	-28.14	-34.30	-34.24	-35.60
16	AUG802	5.4HV	13	112	-3.79	-18.72	-23.93	-31.73	-37.40	-45.53	-46.97	-50.24
16	AUG802	64.75HH	13	112	10.63	8.05	3.63	1.17	-2.29	-6.70	-5.95	-6.80
16	AUG802	74.75HV	13	112	18.34	-0.97	-6.24	-8.66	-8.90	-8.90	-8.91	-8.26
16	AUG802	8NS MS	13		1.74	2.99	3.17	9.27	6.66	18.71	7.47	20.30
16	AUG802	9HLHCVC	13	111	256.7	255.6	263.9					
16	AUG802	10FLD SM	13		10.2	14.5	17.2	15.7	15.3	18.5		
16	AUG802	11LN SM	13	111	10.2	14.5	17.2	15.7	15.3	18.5		
16	AUG802	12LN SM	13	112	11.2	15.2	19.1	17.2	17.3	20.0		
16	AUG80213	<	13									
16	AUG80214	PRT5	13	111	19.3	1.007	0.995					
16	AUG803	113.3VV	13	112	2.61	1.25	-2.63	-6.26	-6.56	-10.58	-10.71	-11.49
16	AUG803	21.6HH	13	112	-5.67	-12.89	-13.59	-20.53	-20.32	-25.69	-27.37	-30.20
16	AUG803	31.6HV	13	112	-14.44	-23.66	-27.21	-30.06	-30.68	-33.26	-37.25	-37.87
16	AUG803	4.4HH	13	112	-8.65	-13.75	-17.47	-20.49	-26.69	-33.25	-33.81	-34.63
16	AUG803	5.4HV	13	112	-16.14	-19.85	-25.11	-31.40	-37.57	-46.14	-50.37	-51.81
16	AUG803	64.75HH	13	112	12.70	7.77	4.54	1.90	-1.29	-5.44	-6.06	-7.52
16	AUG803	74.75HV	13	112	9.84	-1.04	-3.94	-6.07	-8.20	-6.97	-6.33	-6.73
16	AUG803	8NS MS	13		2.01	3.42	3.03	9.74	7.32	21.25	8.94	27.40
16	AUG803	9HLHCVC	13	111	263.9	268.9	278.2					
16	AUG803	10FLD SM	13		10.2	14.5	17.2	15.7	15.3	18.5		
16	AUG803	11LN SM	13	111	8.9	12.7	15.1	14.0	12.8	15.8		
16	AUG803	12LN SM	13	112	8.9	12.7	15.1	14.0	12.8	15.8		
16	AUG80313	<	13									
16	AUG80314	PRT5	13	111	27.9	1.330	1.012					
18	AUG804	113.3VV	13	113	0.25	-0.50	-4.29	-7.59	-6.93	-9.34	-10.34	-10.09
18	AUG804	21.6HH	13	113	-15.14	-21.41	-20.64	-25.28	-21.23	-27.82	-29.78	-30.48
18	AUG804	31.6HV	13	113	-15.38	-25.50	-29.08	-33.38	-31.30	-36.31	-38.93	-39.63

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12	AUG804	4.4HH	13	113	-7.35	-12.62	-15.21	-20.55	-25.61	-32.52	-33.80	-35.16
13	AUG804	5.4HV	13	113	-15.75	-20.11	-25.11	-31.79	-38.70	-45.31	-47.01	-48.01
14	AUG804	6.475HH	13	113	12.33	7.48	4.27	2.32	-0.70	-5.25	-4.65	-5.68
15	AUG804	7.475HV	13	113	7.57	-3.55	-7.33	-8.65	-10.39	-9.26	-3.69	-8.20
16	AUG804	8NS MS	13		2.30	3.93	3.33	11.58	8.16	23.46	9.86	37.80
17	AUG804	9HLHCVC	13	111	299.1	280.5	232.4					
18	AUG804	10FLD SM	13		3.1	10.5	14.5	11.9	13.0	16.1		
19	AUG804	11LN SM	13	111	3.6	11.9	16.5	13.9	15.0	17.3		
20	AUG804	12LN SM	13	113	3.5	12.5	16.5	13.9	15.0	18.1		
21	AUG804	13	13									
22	AUG804	14 PRYS	13	111	37.6		1.631	1.026				
23	AUG801	113.3VV	14	111	1.67	0.76	-3.32	-6.35	-5.87	-10.37	-10.16	-10.77
24	AUG801	21.6HH	14	111	-12.07	-14.90	-15.95	-21.45	-21.95	-26.36	-30.38	-31.64
25	AUG801	31.6HV	14	111	-13.16	-21.75	-27.05	-31.78	-34.46	-37.07	-40.34	-40.79
26	AUG801	4.4HH	14	111	-10.22	-15.49	-19.67	-21.93	-27.13	-33.73	-35.70	-37.11
27	AUG801	5.4HV	14	111	-19.16	-23.33	-28.87	-33.62	-43.75	-51.09	-53.83	-54.63
28	AUG801	6.475HH	14	111	11.22	7.70	3.67	1.98	-1.91	-6.45	-5.63	-7.75
29	AUG801	7.475HV	14	111								
30	AUG801	8NS MS	14		1.72	3.40	3.37	8.62	5.31			22.80
31	AUG801	9HLHCVC	14	122	285.9	269.6	279.5					
32	AUG801	10FLD SM	14		1.7	3.3	11.7	10.1	13.7	17.4		
33	AUG801	11LN SM	14	122	1.7	3.3	11.7	10.1	13.7	17.4		
34	AUG801	12LN SM	14	111	1.7	3.3	11.7	10.1	13.7	17.4		
35	AUG801	13	14									
36	AUG801	14 PRYS	14	122	21.7		0.557	0.969				
37	AUG802	113.3VV	14	122	1.59	0.77	-3.64	-7.50	-7.73	-11.16	-12.48	-12.05
38	AUG802	21.6HH	14	122	-7.22	-11.33	-14.80	-20.39	-19.73	-25.56	-29.30	-31.12
39	AUG802	31.6HV	14	122	-12.91	-23.81	-26.28	-30.85	-31.82	-35.85	-38.77	-37.39
40	AUG802	4.4HH	14	122	-10.80	-15.88	-15.17	-20.11	-26.71	-34.50	-34.01	-35.73
41	AUG802	5.4HV	14	122	-16.59	-22.02	-26.43	-33.97	-41.64	-48.57	-51.38	-54.31
42	AUG802	6.475HH	14	122	12.50	7.24	3.76	0.62	-2.70	-7.49	-7.48	-9.49
43	AUG802	7.475HV	14	122	11.41	-2.24	-6.03	-7.23	-10.15	-6.93	-8.87	-8.94
44	AUG802	8NS MS	14		2.26	3.72	3.47	9.05	7.13	23.82	10.38	21.90
45	AUG802	9HLHCVC	14	121	261.4	258.8	258.4					
46	AUG802	10FLD SM	14		9.9	14.7	15.9	15.3	16.7	20.3		
47	AUG802	11LN SM	14	121	9.5	13.7	15.9	14.4	14.8	18.9		
48	AUG802	12LN SM	14	122	9.5	13.7	15.9	14.4	14.8	18.9		
49	AUG802	13	14									
50	AUG802	14 PRYS	14	121	21.1		0.546	0.973				
51	AUG803	113.3VV	14	122	3.00	1.24	-3.57	-6.57	-8.69	-11.41	-10.86	-13.14
52	AUG803	21.6HH	14	122	-6.43	-11.53	-12.82	-20.39	-20.09	-25.80	-29.02	-31.47
53	AUG803	31.6HV	14	122	-14.64	-23.73	-27.27	-30.45	-31.17	-34.71	-37.59	-37.98
54	AUG803	4.4HH	14	122	-5.20	-14.43	-13.43	-17.01	-26.17	-34.14	-34.12	-36.77
55	AUG803	5.4HV	14	122	-16.42	-21.02	-26.76	-30.31	-40.20	-48.22	-51.54	-54.50
56	AUG803	6.475HH	14	122	12.37	7.37	3.72	1.66	-1.94	-6.41	-6.32	-8.37
57	AUG803	7.475HV	14	122	11.09	-1.16	-6.25	-7.98	-9.81	-9.11	-8.58	-8.90
58	AUG803	8NS MS	14		2.44	4.06	3.82	9.29	7.58	25.46	11.31	29.90
59	AUG803	9HLHCVC	14	121	269.0	273.2	263.7					
60	AUG803	10FLD SM	14		9.9	14.7	15.9	15.3	16.7	20.3		
61	AUG803	11LN SM	14	121	9.9	14.7	15.9	15.3	16.7	20.3		
62	AUG803	12LN SM	14	122	9.5	13.7	15.9	14.4	14.8	18.9		
63	AUG803	13	14									
64	AUG803	14 PRYS	14	121	31.9		0.428	0.958				
65	AUG804	113.3VV	14	122	2.34	0.48	-3.47	-6.28	-6.15	-9.78		
66	AUG804	21.6HH	14	122	-14.05	-16.99	-19.62	-23.18	-23.76	-26.32		
67	AUG804	31.6HV	14	122	-17.18	-24.84	-28.64	-33.14	-32.50	-37.11		
68	AUG804	4.4HH	14	122	-2.71	-15.89	-21.33	-24.06	-30.27	-36.69		
69	AUG804	5.4HV	14	122	-14.56	-19.95	-27.19	-37.75	-41.75	-49.66		
70	AUG804	6.475HH	14	122	10.35	6.68	3.72	1.81	-0.46	-4.62		
71	AUG804	7.475HV	14	122	7.08	-0.52	-12.50	-15.41	-14.56	-10.49		

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13	AUG804	BNS	14	121	2.55	4.11	3.82	9.47	7.37	25.33	11.02	39.80
13	AUG804	9HLHCVC	14	121	300.4	230.2	291.1					
13	AUG804	10FLD SM	14		4.2	11.2	15.4	12.1	14.2	17.5		
13	AUG804	11LN SM	14	121	4.2	11.2	15.4	12.1	14.2	17.6		
13	AUG804	12LN SM	14	122	4.2	11.2	15.4	12.1	14.2	17.6		
13	AUG804	13	14									
13	AUG804	14 PRYS	14	121	39.2		0.497	0.951				
14	AUG801	113.3VV	15	121	-0.48	-2.93	-6.89	-9.37	-3.15	-11.55	-11.48	-10.98
14	AUG801	21.6HH	15	121	-13.32	-16.46	-20.03	-22.87	-21.19	-25.35	-28.23	-31.99
14	AUG801	31.6HV	15	121	-17.12	-24.32	-29.05	-31.64	-31.57	-35.40	-36.18	-39.26
14	AUG801	4.4HH	15	121	-12.37	-16.28	-20.99	-27.12	-29.59	-36.91	-37.32	-40.53
14	AUG801	5.4HV	15	121	-21.64	-25.82	-32.31	-39.19	-43.39	-50.65	-54.05	-57.71
14	AUG801	64.75HH	15	121	5.03	-0.55	-4.66	-8.31	-8.41	-12.57	-12.03	-13.75
14	AUG801	74.75HV	15	121	1.47	-12.70	-19.29	-20.40	-22.90	-21.27	-21.34	-20.02
14	AUG801	BNS DS	15		1.49	2.34	2.33	5.56	3.68			23.20
14	AUG801	9HLHCVC	15	112	283.6	272.3	282.1					
14	AUG801	10FLD SM	15		4.5	6.9	13.5					
14	AUG801	11LN SM	15	112	4.5	6.9	13.5					
14	AUG801	12LN SM	15	121	4.7	6.8	13.0					
14	AUG801	13	15									
14	AUG801	14 PRYS	15	112	22.8		0.216	0.954				
16	AUG802	113.3VV	15	112	1.67	-0.68	-3.74	-7.36	-7.09	-10.92	-11.43	-11.30
16	AUG802	21.6HH	15	112	-4.39	-17.59	-15.58	-22.75	-19.82	-25.67	-26.87	-31.51
16	AUG802	31.6HV	15	112	-14.01	-23.57	-27.32	-30.73	-31.02	-33.02	-36.15	-37.92
16	AUG802	4.4HH	15	112	-1.76	-13.30	-15.15	-20.70	-23.41	-31.74	-33.51	-35.66
16	AUG802	5.4HV	15	112	-11.49	-18.82	-21.05	-32.78	-37.33	-46.71	-49.53	-51.86
16	AUG802	64.75HH	15	112	12.34	6.02	1.60	-2.14	-4.27	-9.56	-9.93	-12.07
16	AUG802	74.75HV	15	112	14.50	-5.32	-9.10	-11.82	-12.14	-13.28	-12.87	-14.88
16	AUG802	BNS DS	15		1.69	2.02	2.55	5.83	4.97	18.63	8.56	21.10
16	AUG802	9HLHCVC	15	111	249.4	261.1	269.7					
16	AUG802	10FLD SM	15		14.9	23.2	19.8					
16	AUG802	11LN SM	15	111	14.9	23.2	19.8					
16	AUG802	12LN SM	15	112	14.9	23.2	19.8					
16	AUG802	13	15									
16	AUG802	14 PRYS	15	111	20.2		0.131	0.944				
16	AUG803	113.3VV	15	112	2.52	0.06	-4.64	-7.82	-7.85	-11.70	-11.44	-12.33
16	AUG803	21.6HH	15	112	-10.48	-15.04	-18.31	-21.40	-19.95	-25.72	-26.21	-31.59
16	AUG803	31.6HV	15	112	-14.59	-24.97	-28.00	-32.01	-31.44	-35.03	-35.76	-37.98
16	AUG803	4.4HH	15	112	-8.29	-14.51	-16.60	-22.79	-26.20	-35.04	-36.72	-38.42
16	AUG803	5.4HV	15	112	-16.11	-20.74	-25.97	-37.23	-38.99	-49.63	-52.14	-54.29
16	AUG803	64.75HH	15	112	12.54	5.06	1.31	-0.71	-3.80	-8.08	-8.81	-10.61
16	AUG803	74.75HV	15	112	9.60	-3.97	-8.96	-10.54	-12.85	-13.26	-13.23	-12.49
16	AUG803	BNS DS	15		1.91	3.03	2.84	6.34	5.57	20.20	9.65	31.00
16	AUG803	9HLHCVC	15	111	246.9	275.3	284.5					
16	AUG803	10FLD SM	15		14.9	23.2	19.8					
16	AUG803	11LN SM	15	111	16.3	23.7	19.7					
16	AUG803	12LN SM	15	112	16.3	23.7	19.7					
16	AUG803	13	15									
16	AUG803	14 PRYS	15	111	33.4		0.080	0.939				
17	AUG804	113.3VV	15	113	0.29	-1.97	-8.06	-8.56	-8.80	-11.64	-12.49	-12.43
17	AUG804	21.6HH	15	113	-15.51	-20.53	-21.38	-25.40	-23.37	-28.01	-30.12	-31.63
17	AUG804	31.6HV	15	113	-15.54	-25.55	-29.42	-33.25	-33.99	-37.43	-37.79	-40.46
17	AUG804	4.4HH	15	113	-8.01	-13.19	-18.08	-22.79	-27.65	-35.10	-36.23	-38.66
17	AUG804	5.4HV	15	113	-17.03	-20.15	-27.60	-36.74	-41.50	-50.57	-52.19	-53.07
17	AUG804	64.75HH	15	113	12.08	5.60	1.67	1.03	-2.36	-6.36	-5.87	-8.14
17	AUG804	74.75HV	15	113	8.29	-5.20	-10.37	-11.44	-13.92	-13.03	-12.44	-12.59
17	AUG804	BNS DS	15		2.50	3.85	3.51	7.63	6.33	23.92	11.25	42.00
17	AUG804	9HLHCVC	15	111	294.9	286.6	297.0					
17	AUG804	10FLD SM	15		7.7	18.0	17.2					
17	AUG804	11LN SM	15	111	7.6	17.4	17.1					

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14	AUG801	21.6HH	17	121	-13.59	-18.26	-21.66	-24.69	-26.46	-32.47	-36.22	-38.15
14	AUG801	31.6HV	17	121	-16.06	-24.42	-30.53	-34.23	-36.30	-42.04	-44.99	-45.87
14	AUG801	4.4HH	17	121	-14.59	-16.83	-20.86	-24.87	-27.16	-36.40	-36.46	-37.55
14	AUG801	5.4HV	17	121	-22.99	-26.70	-31.96	-38.11	-43.83	-52.76	-52.76	-54.63
14	AUG801	64.75HH	17	121	6.77	-0.79	-6.69	-10.25	-13.54	-18.61	-17.97	-21.59
14	AUG801	74.75HV	17	121	1.19	-12.81	-20.15	-22.21	-22.31	-21.53	-20.37	-20.68
14	AUG801	BNS KS	17		1.79	3.08	3.23	8.09	4.84	.	.	22.60
14	AUG801	9HLHCVC	17	112	287.3	272.5	283.2	.	.	.	.	.
14	AUG801	10FLD SM	17		1.1	1.8	3.2	.	.	.	.	.
14	AUG801	11LN SM	17	112	1.1	1.8	3.2	.	.	.	.	.
14	AUG801	12LN SM	17	121	1.1	1.8	3.2	.	.	.	.	.
14	AUG801	13	S	17	365.2	340.5	.	.	.	.	.	.
14	AUG801	14 PRTS	17	112	22.7	.	0.457	0.964	.	.	.	.
16	AUG802	113.3VV	17	112	2.63	-1.81	-8.19	-10.58	-11.21	-14.91	-14.99	-16.07
16	AUG802	21.6HH	17	112	-13.26	-14.64	-22.53	-26.49	-32.10	-36.43	-37.50	.
16	AUG802	31.6HV	17	112	-14.29	-24.43	-31.29	-35.77	-36.75	-42.09	-42.39	-44.09
16	AUG802	4.4HH	17	112	-11.19	-15.91	-18.41	-24.24	-25.03	-34.11	-35.64	-39.38
16	AUG802	5.4HV	17	112	-17.35	-23.65	-30.35	-39.31	-42.25	-49.24	-52.16	-55.56
16	AUG802	64.75HH	17	112	11.03	3.56	-2.12	-4.80	-7.46	-10.92	-11.95	-13.99
16	AUG802	74.75HV	17	112	9.00	-3.58	-11.32	-12.69	-16.22	-15.47	-14.98	-17.08
16	AUG802	BNS KS	17		1.50	2.49	2.55	5.91	4.77	16.71	6.77	21.40
16	AUG802	9HLHCVC	17	111	242.7	252.3	261.5	.	.	.	.	.
16	AUG802	10FLD SM	17		6.0	11.9	8.7	.	.	.	.	.
16	AUG802	11LN SM	17	111	6.0	11.9	8.7	.	.	.	.	.
16	AUG802	12LN SM	17	112	6.1	11.6	8.7	.	.	.	.	.
16	AUG802	13	S	17	365.2	340.5	.	.	.	.	.	.
16	AUG802	14 PRTS	17	111	21.4	.	0.182	0.928	.	.	.	.
16	AUG803	113.3VV	17	112	3.13	-0.59	-6.35	-10.17	-10.26	-13.43	-14.51	-15.53
16	AUG803	21.6HH	17	112	-12.15	-17.49	-24.02	-24.05	-25.10	-31.70	-34.72	-37.25
16	AUG803	31.6HV	17	112	-15.65	-24.96	-29.33	-34.29	-34.87	-40.68	-44.04	-44.36
16	AUG803	4.4HH	17	112	-10.96	-16.50	-19.76	-23.79	-27.26	-34.32	-34.32	-35.39
16	AUG803	5.4HV	17	112	-17.33	-23.57	-30.25	-37.66	-41.09	-51.61	-51.61	-53.42
16	AUG803	64.75HH	17	112	13.76	6.07	1.04	-3.01	-6.62	-11.57	-10.16	-13.13
16	AUG803	74.75HV	17	112	9.80	-4.27	-9.12	-10.82	-14.77	-13.72	-10.93	-13.49
16	AUG803	BNS KS	17		1.76	2.55	2.84	5.26	5.34	19.44	7.90	29.90
16	AUG803	9HLHCVC	17	111	251.4	257.5	266.0	.	.	.	.	.
16	AUG803	10FLD SM	17		6.0	11.9	8.7	.	.	.	.	.
16	AUG803	11LN SM	17	111	6.1	11.6	8.7	.	.	.	.	.
16	AUG803	12LN SM	17	112	6.1	11.5	8.7	.	.	.	.	.
16	AUG803	13	S	17	365.2	340.5	.	.	.	.	.	.
16	AUG803	14 PRTS	17	111	32.7	.	0.089	0.939	.	.	.	.
18	AUG804	113.3VV	17	113	4.15	-1.43	-7.11	-10.87	-11.95	-14.99	-15.52	-15.37
18	AUG804	21.6HH	17	113	-12.72	-19.91	-22.68	-26.99	-25.89	-33.32	-35.93	-36.78
18	AUG804	31.6HV	17	113	-15.02	-24.88	-29.76	-35.69	-35.99	-41.33	-42.67	-42.94
18	AUG804	4.4HH	17	113	-5.17	-11.98	-17.49	-22.65	-28.42	-36.03	-36.49	-38.51
18	AUG804	5.4HV	17	113	-15.82	-20.00	-27.27	-36.94	-45.46	-51.65	-52.34	-55.71
18	AUG804	64.75HH	17	113	14.10	5.86	0.21	-2.70	-6.68	-10.35	-7.33	-9.78
18	AUG804	74.75HV	17	113	9.78	-5.23	-13.34	-16.18	-18.07	-17.78	-14.87	-15.47
18	AUG804	BNS KS	17		2.29	3.69	3.52	7.57	6.18	22.97	9.23	40.53
18	AUG804	9HLHCVC	17	111	291.0	282.2	292.6	.	.	.	.	.
18	AUG804	10FLD SM	17		2.2	7.7	6.0	.	.	.	.	.
18	AUG804	11LN SM	17	111	2.1	7.7	5.9	.	.	.	.	.
18	AUG804	12LN SM	17	113	2.2	7.9	5.9	.	.	.	.	.
18	AUG804	13	S	17	365.2	340.5	.	.	.	.	.	.
18	AUG804	14 PRTS	17	111	41.1	.	0.021	0.930	.	.	.	.
14	AUG801	113.3VV	18	111	3.44	-1.40	-6.97	-10.86	-10.90	-13.35	-12.72	-13.07
14	AUG801	21.6HH	18	111	-12.64	-16.86	-19.78	-24.37	-24.49	-32.08	-36.42	-38.25
14	AUG801	31.6HV	18	111	-12.60	-20.93	-26.10	-34.63	-37.11	-42.86	-44.88	-45.81
14	AUG801	4.4HH	18	111	-7.26	-11.89	-16.42	-21.02	-22.45	-31.05	-32.94	-35.77
14	AUG801	5.4HV	18	111	-20.09	-25.08	-32.35	-40.88	-46.11	-52.54	-52.92	-53.99

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14	AUG801	64.75HH	18	111	11.87	4.89	-0.31	-4.44	-7.57	-12.31	-13.32	-14.81	
14	AUG801	74.75HV	18	111									
14	AUG801	8NS WS	18		1.87	3.23	3.39	8.47	5.41			23.20	
14	AUG801	9HLHCVC	18	122	286.7	273.8	283.9						
14	AUG801	10FLD SM	18		1.1	1.8	3.2						
14	AUG801	11LN SM	18	122	1.1	1.8	3.2						
14	AUG801	12LN SM	18	111	1.1	1.8	3.2						
14	AUG801	13	18		365.2	340.5							
14	AUG801	14 PRT5	18	122	22.2		0.477	0.964					
16	AUG802	113.3VV	18	122	5.20	1.30	-4.51	-8.92	-6.68	-13.39	-14.18	-15.15	
16	AUG802	21.6HH	18	122	-6.67	-11.50	-16.38	-21.55	-23.29	-29.65	-34.10	-33.95	
16	AUG802	31.6HV	18	122	-13.55	-24.25	-27.69	-32.60	-35.64	-40.21	-42.06	-43.50	
16	AUG802	4.4HH	18	122	-6.68	-11.02	-18.39	-22.80	-26.78	-34.65	-34.37	-35.40	
16	AUG802	5.4HV	18	122	-18.51	-21.22	-29.10	-30.84	-42.98	-50.16	-50.69	-53.16	
16	AUG802	64.75HH	18	122	14.80	7.42	1.22	-2.42	-2.82	-10.75	-12.14	-13.45	
16	AUG802	74.75HV	18	122	9.71	-3.98	-10.24	-13.40	-16.41	-17.21	-16.78	-17.31	
16	AUG802	8NS WS	18		1.55	2.53	2.57	5.88	4.90	17.74	6.73	22.80	
16	AUG802	9HLHCVC	18	121	243.7	248.3	257.7						
16	AUG802	10FLD SM	18		9.2	13.2	8.8						
16	AUG802	11LN SM	18	121	9.6	12.5	9.8						
16	AUG802	12LN SM	18	122	10.1	12.9	9.7						
16	AUG802	13	18		365.2	340.5							
16	AUG802	14 PRT5	18	121	22.8		0.130	0.944					
16	AUG803	113.3VV	18	122	6.53	1.69	-4.13	-7.91	-7.91	-12.63	-13.67	-13.39	
16	AUG803	21.6HH	18	122	-8.22	-11.55	-16.10	-20.83	-22.32	-23.85	-32.91	-35.29	
16	AUG803	31.6HV	18	122	-15.28	-24.06	-28.95	-33.89	-33.38	-40.89	-42.65	-42.49	
16	AUG803	4.4HH	18	122	-7.73	-11.90	-18.39	-23.09	-26.67	-32.82	-35.03	-35.61	
16	AUG803	5.4HV	18	122	-18.48	-21.65	-30.55	-39.04	-42.87	-49.15	-46.54	-52.21	
16	AUG803	64.75HH	18	122	14.88	7.59	1.28	-1.57	-5.33	-10.52	-11.00	-12.78	
16	AUG803	74.75HV	18	122	9.42	-2.19	-9.67	-12.00	-15.86	-15.22	-15.25	-16.25	
16	AUG803	8NS WS	18		1.78	2.95	2.87	6.27	5.43	19.76	8.01	30.10	
16	AUG803	9HLHCVC	18	121	245.4	250.2	259.0						
16	AUG803	10FLD SM	18		9.2	13.2	8.8						
16	AUG803	11LN SM	18	121	9.6	12.5	9.8						
16	AUG803	12LN SM	18	122	10.1	12.9	9.7						
16	AUG803	13	18		365.2	340.5							
16	AUG803	14 PRT5	18	121	23.4		0.027	0.934					
18	AUG804	113.3VV	18	122	1.89	-1.99	-8.13	-10.75	-11.18	-14.68	-15.69		
18	AUG804	21.6HH	18	122	-14.08	-14.84	-21.45	-23.16	-24.69	-31.33	-33.39		
18	AUG804	31.6HV	18	122	-16.13	-25.39	-29.09	-34.37	-34.36	-41.25	-43.44		
18	AUG804	4.4HH	18	122	-9.26	-12.60	-19.41	-22.18	-26.53	-34.88	-35.65		
18	AUG804	5.4HV	18	122	-17.41	-21.53	-29.51	-37.55	-41.89	-50.26	-51.18		
18	AUG804	64.75HH	18	122	13.57	5.43	-0.10	-4.14	-6.45	-11.03	-11.02		
18	AUG804	74.75HV	18	122	3.00	-9.45	-19.35	-22.23	-25.52	-25.51	-24.25		
18	AUG804	8NS WS	18		1.92	3.06	2.90	6.23	5.33	20.11	7.95	39.00	
18	AUG804	9HLHCVC	18	121	283.3	279.1	290.2						
18	AUG804	10FLD SM	18		2.5	6.9	6.3						
18	AUG804	11LN SM	18	121	2.6	9.1	6.9						
18	AUG804	12LN SM	18	122	2.6	9.1	6.9						
18	AUG804	13	18		365.2	340.5							
18	AUG804	14 PRT5	18	121	39.1		0.023	0.930					
18	AUG801	113.3VV	19	121	0.07	-1.57	-8.19	-7.56	-7.75	-10.21	-11.26	-10.52	
18	AUG801	21.6HH	19	121	-15.96	-15.55	-20.89	-22.09	-22.05	-28.92	-32.32	-33.34	
18	AUG801	31.6HV	19	121	-18.87	-26.83	-30.99	-35.96	-35.51	-42.69	-44.51	-45.74	
18	AUG801	4.4HH	19	121	-13.13	-16.38	-21.51	-25.98	-26.15	-36.05	-36.76	-36.27	
18	AUG801	5.4HV	19	121	-25.25	-30.34	-35.82	-43.69	-45.29	-55.19	-53.45	-54.01	
18	AUG801	64.75HH	19	121	5.00	-0.08	-4.58	-7.13	-10.48	-12.97	-14.32	-15.71	
18	AUG801	74.75HV	19	121	2.38	-13.70	-21.90	-23.91	-27.18	-22.70	-24.60	-25.59	
18	AUG801	8NS WS	19		1.51	2.57	2.80	7.02	4.36			21.30	
18	AUG801	9HLHCVC	19	112	267.0	273.1	263.4						

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14	AUG80110FLD SM	19	1.4	1.7	3.8	.	.	.	.
14	AUG80111LN SM	19	1.4	1.7	3.8	.	.	.	.
14	AUG80112LN SM	19	1.4	1.7	3.8	.	.	.	.
14	AUG80113 %	19	.	.	.	.	.	.	.
14	AUG80114 PRT5	19	112	20.9	0.397	0.984	.	.	.
16	AUG802 113.3VV	19	112	3.90	1.39	-3.53	-6.33	-8.95	-12.17
16	AUG802 21.6HH	19	112	-8.29	-13.94	-18.01	-20.42	-17.93	-27.23
16	AUG802 31.6HV	19	112	-13.46	-23.53	-28.92	-32.25	-33.77	-38.99
16	AUG802 4.4HH	19	112	-7.36	-11.68	-10.24	-21.36	-25.28	-32.76
16	AUG802 5.4HV	19	112	-14.37	-19.31	-24.20	-33.86	-37.57	-45.35
16	AUG802 64.75HH	19	112	12.34	5.83	1.59	-0.87	-3.90	-10.93
16	AUG802 74.75HV	19	112	8.76	-4.45	-10.34	-12.05	-15.13	-14.83
16	AUG802 8NS DS	19	112	2.14	3.66	3.79	8.47	6.69	23.61
16	AUG802 9HLHCVC	19	111	253.5	255.3	254.5	.	.	.
16	AUG80210FLD SM	19	111	8.1	13.7	12.3	.	.	.
16	AUG80211LN SM	19	111	8.1	13.7	12.3	.	.	.
16	AUG80212LN SM	19	112	8.1	13.7	12.3	.	.	.
16	AUG80213 %	19	.	.	.	.	.	.	.
16	AUG80214 PRT5	19	111	19.2	0.109	0.939	.	.	.
16	AUG803 113.3VV	19	112	2.49	0.56	-3.67	-7.15	-7.29	-11.56
16	AUG803 21.6HH	19	112	-9.62	-14.55	-17.42	-20.74	-17.43	-27.20
16	AUG803 31.6HV	19	112	-14.35	-24.23	-27.91	-32.08	-33.50	-38.81
16	AUG803 4.4HH	19	112	-9.77	-15.23	-17.95	-22.11	-26.55	-31.58
16	AUG803 5.4HV	19	112	-18.92	-22.18	-28.19	-35.02	-41.43	-49.11
16	AUG803 64.75HH	19	112	13.74	8.45	4.31	0.20	-3.30	-8.25
16	AUG803 74.75HV	19	112	11.76	-3.65	-8.76	-11.00	-13.84	-12.72
16	AUG803 8NS DS	19	112	2.42	4.11	4.18	9.15	7.46	25.98
16	AUG803 9HLHCVC	19	111	260.9	271.5	282.8	.	.	.
16	AUG80310FLD SM	19	111	8.1	13.7	12.3	.	.	.
16	AUG80311LN SM	19	111	8.1	13.7	12.3	.	.	.
16	AUG80312LN SM	19	112	8.1	13.7	12.3	.	.	.
16	AUG80313 %	19	.	.	.	.	.	.	.
16	AUG80314 PRT5	19	111	29.3	0.03	0.934	.	.	.
16	AUG804 113.3VV	19	113	1.87	-0.27	-6.14	-8.33	-7.95	-11.22
16	AUG804 21.6HH	19	113	-17.04	-20.38	-23.35	-25.26	-24.83	-29.70
16	AUG804 31.6HV	19	113	-17.03	-25.83	-29.87	-34.52	-33.18	-41.11
16	AUG804 4.4HH	19	113	-6.56	-11.63	-19.02	-22.03	-27.13	-33.91
16	AUG804 5.4HV	19	113	-16.13	-19.31	-27.95	-37.47	-42.82	-49.65
16	AUG804 64.75HH	19	113	12.26	5.56	1.64	-0.78	-3.50	-7.23
16	AUG804 74.75HV	19	113	9.18	-7.14	-13.58	-14.81	-18.88	-14.80
16	AUG804 8NS DS	19	113	2.91	4.87	4.86	10.35	8.08	29.28
16	AUG804 9HLHCVC	19	111	299.6	284.2	295.8	.	.	.
16	AUG80410FLD SM	19	111	2.5	8.5	10.8	.	.	.
16	AUG80411LN SM	19	111	2.5	8.8	10.7	.	.	.
16	AUG80412LN SM	19	113	2.6	8.5	11.1	.	.	.
16	AUG80413 %	19	.	.	.	.	.	.	.
16	AUG80414 PRT5	19	111	39.5	0.077	0.928	.	.	.
14	AUG801 113.3VV	20	111	3.14	0.16	-5.30	-8.44	-8.35	-12.71
14	AUG801 21.6HH	20	111	-13.37	-15.37	-19.59	-24.03	-21.82	-29.56
14	AUG801 31.6HV	20	111	-13.39	-21.87	-27.90	-33.41	-34.90	-41.00
14	AUG801 4.4HH	20	111	-12.86	-17.29	-21.58	-24.29	-25.69	-32.70
14	AUG801 5.4HV	20	111	-20.46	-26.46	-32.23	-37.57	-41.87	-49.78
14	AUG801 64.75HH	20	111	12.47	6.46	1.69	-0.98	-3.90	-9.29
14	AUG801 74.75HV	20	111	.	.	.	.	.	.
14	AUG801 8NS DS	20	111	1.65	2.86	3.13	7.90	5.29	.
14	AUG801 9HLHCVC	20	122	287.7	272.5	282.4	.	.	.
14	AUG80110FLD SM	20	111	0.9	1.0	3.7	.	.	.
14	AUG80111LN SM	20	122	0.9	1.0	3.7	.	.	.
14	AUG80112LN SM	20	111	0.9	1.0	3.7	.	.	.
14	AUG80113 %	20	.	.	.	.	.	.	.

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14	AUG80114	PRTS	20	122	20.6		0.455	0.905											
16	AUG802	113.3VV	20	122	4.26	1.49	-3.11	-5.64	-5.30	-9.95	-9.55	-10.79							
16	AUG802	21.6HH	20	122	-8.23	-15.63	-15.84	-22.98	-13.63	-27.84	-31.60	-34.64							
16	AUG802	31.6HV	20	122	-14.35	-24.75	-28.50	-32.34	-35.08	-38.83	-43.19	-47.79							
16	AUG802	4.4HH	20	122	-5.27	-11.60	-17.05	-20.74	-24.70	-32.52	-30.78	-31.92							
16	AUG802	5.4HV	20	122	-17.03	-19.72	-28.17	-35.65	-40.27	-50.29	-48.83	-51.56							
16	AUG802	64.75HH	20	122	13.75	8.65	2.77	-0.84	-4.51	-11.02	-11.70	-13.39							
16	AUG802	74.75HV	20	122	7.33	-5.25	-10.39	-13.56	-17.07	-15.91	-14.93	-15.34							
16	AUG802	8NS DS	20		2.35	4.12	4.33	9.75	7.74	27.46	11.64	21.30							
16	AUG802	9HLHCVC	20	121	255.6	255.1	264.2												
16	AUG80210	FLD SM	20		7.1	11.6	11.2	.	.	.	.	.							
16	AUG80211	LN SM	20	121	7.1	11.6	11.2	.	.	.	.	.							
16	AUG80212	LN SM	20	122	7.2	11.8	11.3	.	.	.	.	.							
16	AUG80213		20		.	.	.	.	.	.	.	.							
16	AUG80214	PRTS	20	121	19.5		0.156	0.941											
16	AUG803	113.3VV	20	122	3.37	1.89	-4.10	-7.78	-8.52	-17.53	-14.12	-13.52							
16	AUG803	21.6HH	20	122	-8.63	-13.03	-15.67	-22.41	-18.77	-28.14	-32.16	-33.34							
16	AUG803	31.6HV	20	122	-13.98	-24.85	-28.17	-32.02	-32.83	-37.07	-1.33	-41.68							
16	AUG803	4.4HH	20	122	-6.50	-11.60	-17.16	-20.65	-23.40	-32.65	-31.23	-31.11							
16	AUG803	5.4HV	20	122	-15.95	-18.73	-28.27	-34.97	-37.15	-46.94	-48.77	-49.61							
16	AUG803	64.75HH	20	122	14.01	8.10	1.98	-1.04	-5.05	-9.67	-9.70	-11.41							
16	AUG803	74.75HV	20	122	10.02	-3.71	-10.18	-12.72	-16.01	-14.49	-14.48	-14.43							
16	AUG803	8NS DS	20		2.51	4.33	4.37	9.90	8.16	27.94	12.78	29.60							
16	AUG803	9HLHCVC	20	121	263.8	272.7	283.4												
16	AUG80310	FLD SM	20		7.1	11.6	11.2	.	.	.	.	.							
16	AUG80311	LN SM	20	121	7.1	11.6	11.2	.	.	.	.	.							
16	AUG80312	LN SM	20	122	7.2	11.8	11.3	.	.	.	.	.							
16	AUG80313		20		.	.	.	.	.	.	.	.							
16	AUG80314	PRTS	20	121	29.9		0.179	0.942											
16	AUG804	113.3VV	20	122	3.07	0.14	-4.34	-8.89	-8.98	-12.70	-13.78	.							
16	AUG804	21.6HH	20	122	-14.96	-21.01	-20.70	-24.96	-24.64	-29.68	-31.54	.							
16	AUG804	31.6HV	20	122	-15.55	-25.40	-29.69	-34.98	-34.65	-40.59	-42.69	.							
16	AUG804	4.4HH	20	122	-7.25	-11.65	-18.29	-22.57	-26.41	-33.97	-32.92	.							
16	AUG804	5.4HV	20	122	-15.42	-19.27	-26.85	-34.93	-38.32	-49.42	-49.69	.							
16	AUG804	64.75HH	20	122	12.58	7.24	3.09	-0.08	-3.98	-8.87	-9.20	.							
16	AUG804	74.75HV	20	122	2.24	-10.07	-16.24	-17.51	-19.92	-20.66	-21.34	.							
16	AUG804	8NS DS	20		2.70	4.46	4.53	9.79	7.80	28.31	12.85	41.00							
16	AUG804	9HLHCVC	20	121	300.5	284.2	295.2												
16	AUG80410	FLD SM	20		1.9	6.9	10.0	.	.	.	.	.							
16	AUG80411	LN SM	20	121	2.0	7.0	10.2	.	.	.	.	.							
16	AUG80412	LN SM	20	122	2.0	7.1	10.1	.	.	.	.	.							
16	AUG80413		20		.	.	.	.	.	.	.	.							
16	AUG80414	PRTS	20	121	39.4		0.012	0.931											
16	AUG801	113.3VV	21	121	-2.10	-4.71	-7.18	-7.93	-6.65	-9.16	-9.51	-9.08							
16	AUG801	21.6HH	21	121	-17.17	-17.16	-21.02	-22.72	-23.01	-27.02	-30.21	-32.19							
16	AUG801	31.6HV	21	121	-17.88	-25.51	-28.85	-33.02	-32.77	-36.59	-36.19	-37.35							
16	AUG801	4.4HH	21	121	-13.88	-18.44	-21.57	-25.91	-28.22	-36.38	-37.59	-37.88							
16	AUG801	5.4HV	21	121	-21.53	-27.42	-33.77	-40.41	-42.87	-51.44	-53.32	-56.75							
16	AUG801	64.75HH	21	121	1.83	-3.56	-6.99	-7.08	-8.97	-12.02	-12.06	-13.75							
16	AUG801	74.75HV	21	121	3.49	-12.35	-20.13	-20.50	-24.49	-19.67	-21.55	-21.35							
16	AUG801	8NS DS	21		1.31	2.23	2.38	5.97	3.73	.	.	21.50							
16	AUG801	9HLHCVC	21	112	288.2	276.1	285.7												
16	AUG80110	FLD SM	21		1.1	2.0	8.2	.	.	.	.	.							
16	AUG80111	LN SM	21	112	1.2	2.3	8.7	.	.	.	.	.							
16	AUG80112	LN SM	21	121	1.1	2.0	8.2	.	.	.	.	.							
16	AUG80113		21		.	.	.	.	.	.	.	.							
16	AUG80114	PRTS	21	112	20.8		0.347	0.965											
16	AUG802	113.3VV	21	112	8.72	-1.45	-5.30	-7.48	-7.35	-10.66	-11.45	-11.53							
16	AUG802	21.6HH	21	112	-10.72	-14.87	-17.01	-20.44	-13.75	-23.81	-30.14	-31.24							
16	AUG802	31.6HV	21	112	-14.73	-23.23	-27.19	-29.68	-30.83	-33.31	-36.12	-36.48							

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16	AUG802	4.4HH	21	112	-7.70	-15.26	-15.07	-19.98	-24.02	-30.51	-34.23	-36.64
16	AUG802	5.4HV	21	112	-11.17	-17.28	-24.85	-29.01	-33.56	-40.40	-47.11	-48.24
16	AUG802	64.75HH	21	112	11.04	5.31	1.81	0.48	-3.06	-7.23	-6.95	-10.48
16	AUG802	74.75HV	21	112	17.50	-2.09	-7.92	-9.15	-12.44	-11.59	-11.32	-12.42
16	AUG802	8NS DS	21		1.83	3.09	3.17	7.36	5.98	21.16	9.26	21.10
16	AUG802	9HLHCVC	21	111	267.0	262.6	269.8					
16	AUG802	10FLD SM	21		7.0	12.0	14.3					
16	AUG802	11LN SM	21	111	6.6	11.5	14.6					
16	AUG802	12LN SM	21	112	6.9	12.2	14.4					
16	AUG802	13	21									
16	AUG802	14 PRT5	21	111	20.0		0.208	0.948				
16	AUG803	113.3VV	21	112	0.01	-1.42	-5.29	-7.74	-7.43	-10.65	-11.05	-11.60
16	AUG803	21.6HH	21	112	-11.23	-16.43	-17.53	-21.19	-18.70	-25.69	-30.01	-31.21
16	AUG803	31.6HV	21	112	-14.53	-24.16	-27.23	-30.32	-31.24	-33.44	-36.04	-37.17
16	AUG803	4.4HH	21	112	-10.16	-13.62	-18.06	-22.47	-26.56	-33.61	-35.31	-36.67
16	AUG803	5.4HV	21	112	-14.98	-20.29	-27.85	-34.94	-38.55	-48.60	-50.62	-51.17
16	AUG803	64.75HH	21	112	11.92	4.65	1.33	0.59	-2.61	-7.12	-5.57	-8.54
16	AUG803	74.75HV	21	112	11.38	-1.83	-6.78	-8.18	-10.97	-10.41	-10.08	-10.49
16	AUG803	8NS DS	21		2.07	3.46	3.48	7.91	6.67	23.27	10.65	29.80
16	AUG803	9HLHCVC	21	111	272.7	276.5	285.0					
16	AUG803	10FLD SM	21		7.0	12.0	14.3					
16	AUG803	11LN SM	21	111	7.0	12.0	14.3					
16	AUG803	12LN SM	21	112	7.0	12.0	14.3					
16	AUG803	13	21									
16	AUG803	14 PRT5	21	111	31.2		0.152	0.942				
16	AUG804	113.3VV	21	113	-9.70	-2.05	-5.63	-7.96	-6.90	-9.12	-10.22	-10.81
16	AUG804	21.6HH	21	113	-14.53	-21.57	-21.74	-25.04	-22.17	-29.25	-31.62	-33.53
16	AUG804	31.6HV	21	113	-16.02	-25.91	-29.32	-33.08	-32.78	-35.68	-37.05	-40.75
16	AUG804	4.4HH	21	113	-6.98	-13.48	-19.50	-23.53	-27.81	-35.03	-36.85	-39.97
16	AUG804	5.4HV	21	113	-15.41	-20.69	-24.58	-36.48	-41.46	-50.89	-52.40	-53.63
16	AUG804	64.75HH	21	113	11.33	5.06	1.71	0.85	-1.12	-4.43	-5.35	-6.06
16	AUG804	74.75HV	21	113	9.18	-4.72	-10.87	-11.61	-14.36	-14.08	-13.85	-13.09
16	AUG804	8NS DS	21		2.58	4.21	4.19	9.15	7.29	26.74	12.25	41.80
16	AUG804	9HLHCVC	21	111	297.3	282.7	292.5					
16	AUG804	10FLD SM	21		1.9	8.0	11.4					
16	AUG804	11LN SM	21	111	2.0	8.1	11.5					
16	AUG804	12LN SM	21	113	2.0	8.1	11.5					
16	AUG804	13	21									
16	AUG804	14 PRT5	21	111	40.3		0.029	0.933				
16	AUG801	113.3VV	22	111	-2.06	-3.72	-5.88	-8.45	-6.72	-9.63	-9.21	-8.70
16	AUG801	21.6HH	22	111	-14.52	-17.42	-20.45	-23.72	-24.49	-26.54	-31.48	-31.80
16	AUG801	31.6HV	22	111	-13.65	-22.25	-28.22	-31.51	-33.33	-35.42	-37.56	-38.84
16	AUG801	4.4HH	22	111	-11.76	-17.49	-22.05	-25.24	-28.01	-34.29	-35.78	-38.13
16	AUG801	5.4HV	22	111	-19.07	-27.29	-35.42	-42.62	-45.50	-53.01	-54.21	-56.50
16	AUG801	64.75HH	22	111	7.94	1.98	-0.47	-1.63	-3.48	-5.73	-5.61	-7.83
16	AUG801	74.75HV	22	111								
16	AUG801	8NS DS	22			2.34	2.47	6.22	4.01			22.20
16	AUG801	9HLHCVC	22	122	287.4	277.1	286.9					
16	AUG801	10FLD SM	22		0.7	2.1	8.5					
16	AUG801	11LN SM	22	122	0.7	2.1	8.5					
16	AUG801	12LN SM	22	111	0.8	2.1	8.6					
16	AUG801	13	22									
16	AUG801	14 PRT5	22	122	20.7		0.364	0.965				
16	AUG802	113.3VV	22	122	-0.19	-2.26	-5.28	-8.23	-7.66	-10.68	-11.50	-11.33
16	AUG802	21.6HH	22	122	-10.29	-17.42	-16.88	-22.08	-18.83	-26.51	-30.11	-31.42
16	AUG802	31.6HV	22	122	-13.80	-23.80	-26.40	-30.50	-30.80	-34.80	-37.40	-37.30
16	AUG802	4.4HH	22	122	-8.78	-14.37	-18.50	-24.52	-27.61	-35.41	-37.15	-37.69
16	AUG802	5.4HV	22	122	-13.82	-20.41	-28.15	-35.79	-41.88	-50.55	-52.61	-54.20
16	AUG802	64.75HH	22	122	10.52	4.48	0.70	-0.38	-3.55	-7.70	-5.95	-9.54
16	AUG802	74.75HV	22	122	8.66	-4.42	-8.05	-9.55	-12.64	-10.87	-11.38	-11.70

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16	AUG802	8NS	DS	22	22	2.11	3.54	3.60	8.33	6.25	24.10	10.52	22.60
16	AUG802	9HLHCVC		22	121	267.1	268.7	270.0					
16	AUG802	10FLD	SM	22	22	5.9	12.3	15.0					
16	AUG802	11LN	SM	22	121	6.9	12.3	15.0					
16	AUG802	12LN	SM	22	122	6.8	12.3	14.7					
16	AUG802	13	?	22	22								
16	AUG802	14	PRT5	22	121	21.3		0.222	0.947				
16	AUG803	113.3VV		22	122	-0.12	-2.25	-3.34	-8.17	-7.52	-10.81	-11.40	-11.13
16	AUG803	21.6HH		22	122	-11.69	-17.33	-18.14	-22.25	-18.47	-26.51	-29.95	-31.72
16	AUG803	31.6HV		22	122	-13.95	-24.43	-27.50	-31.36	-30.99	-33.89	-36.07	-37.65
16	AUG803	4.4HH		22	122	-8.74	-13.45	-18.25	-24.21	-27.23	-35.09	-34.46	-37.45
16	AUG803	5.4HV		22	122	-13.76	-20.62	-29.28	-35.71	-41.72	-51.29	-52.86	-54.80
16	AUG803	64.75HH		22	122	12.03	4.56	1.33	0.35	-2.36	-6.03	-5.47	-6.49
16	AUG803	74.75HV		22	122	10.81	-2.98	-7.51	-9.08	-11.66	-10.57	-10.94	-11.36
16	AUG803	8NS	DS	22	22	2.20	3.73	3.75	8.44	7.21	25.02	11.24	30.80
16	AUG803	9HLHCVC		22	121	272.9	278.3	288.7					
16	AUG803	10FLD	SM	22	22	6.9	12.3	15.0					
16	AUG803	11LN	SM	22	121	6.9	12.3	15.0					
16	AUG803	12LN	SM	22	122	6.8	12.3	14.7					
16	AUG803	13	?	22	22								
16	AUG803	14	PRT5	22	121	32.2		0.131	0.940				
16	AUG804	113.3VV		22	122	-1.48	-3.27	-5.86	-9.35	-8.93	-11.61	-11.73	-11.12
16	AUG804	21.6HH		22	122	-15.12	-22.53	-22.64	-24.65	-22.92	-29.56	-31.47	-32.74
16	AUG804	31.6HV		22	122	-15.93	-24.90	-30.47	-33.73	-33.70	-36.91	-39.39	-41.65
16	AUG804	4.4HH		22	122	-11.64	-16.56	-21.10	-23.73	-26.75	-33.85	-35.73	-37.40
16	AUG804	5.4HV		22	122	-15.76	-22.70	-30.45	-35.74	-41.11	-49.94	-52.71	-53.41
16	AUG804	64.75HH		22	122	12.34	5.59	2.54	-0.04	-1.70	-5.03	-5.49	-8.05
16	AUG804	74.75HV		22	122	4.36	-9.61	-14.52	-16.43	-17.87	-17.86	-17.72	-18.41
16	AUG804	8NS	DS	22	22	2.35	3.87	3.84	8.35	6.82	24.78	11.10	40.60
16	AUG804	9HLHCVC		22	121	298.5	284.0	293.0					
16	AUG804	10FLD	SM	22	22	1.9	8.6	12.1					
16	AUG804	11LN	SM	22	121	1.8	9.2	12.8					
16	AUG804	12LN	SM	22	122	1.9	8.6	12.1					
16	AUG804	13	?	22	22								
16	AUG804	14	PRT5	22	121	39.4		0.015	0.933				
16	AUG801	113.3VV		38	120								
16	AUG801	21.6HH		38	120								
16	AUG801	31.6HV		38	120								
16	AUG801	4.4HH		38	120								
16	AUG801	5.4HV		38	120								
16	AUG801	64.75HH		38	120								
16	AUG801	74.75HV		38	121	-0.02	-13.36	-19.07	-21.31	-23.28	-23.56	-23.08	-21.81
16	AUG801	8NS	BS	38	120								
16	AUG801	9HLHCVC		38	120								
16	AUG801	10FLD	SM	38	38	3.6	5.3	13.1	11.8	14.3	19.2		
16	AUG801	11LN	SM	38	121	3.6	5.3	13.1	11.8	14.3	19.2		
16	AUG801	12LN	SM	38	120								
16	AUG801	13	?	38	38								
16	AUG801	14	PRT5	38	121	22.2							
16	AUG802	113.3VV		38	110								
16	AUG802	21.6HH		38	110								
16	AUG802	31.6HV		38	112	-17.03	-21.94	-26.31	-30.34	-31.91	-36.92	-37.96	-38.12
16	AUG802	4.4HH		38	110								
16	AUG802	5.4HV		38	112	-3.05	-18.30	-25.03	-32.63	-37.48	-47.08	-45.39	-50.01
16	AUG802	64.75HH		38	112	9.29	7.69	3.24	0.24	-3.14	-8.61	-7.49	-8.32
16	AUG802	74.75HV		38	112	19.91	-1.17	-8.55	-11.52	-11.98	-11.52	-12.65	-12.15
16	AUG802	8NS	BS	38	38	2.11	3.49	3.39	8.05	6.42	22.70	9.66	21.20
16	AUG802	9HLHCVC		38	110								
16	AUG802	10FLD	SM	38	38	9.3	15.1	18.3	16.0	16.6	19.6		
16	AUG802	11LN	SM	38	110								

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16	AUG80212LN SM	38	112	9.2	15.1	18.3	18.0	18.5	19.5		
16	AUG80213	38									
16	AUG80214 PRTS	38	112	21.2		0.293	0.952				
16	AUG803 113.3VV	38	112	2.94	1.23	-3.10	-6.45	-3.02	-11.03	-11.52	-12.54
16	AUG803 21.6HH	38	112	-5.14	-11.49	-13.14	-20.21	-20.53	-27.30	-28.25	-32.68
16	AUG803 31.6HV	38	112	-14.69	-23.34	-27.83	-30.97	-31.96	-35.21	-40.12	-40.75
16	AUG803 4.4HH	38	110	.	.	.	.	.	.	.	.
16	AUG803 5.4HV	38	110	.	.	.	.	.	.	.	.
16	AUG803 64.75HH	38	112	12.70	7.61	4.32	1.94	-1.73	-6.10	-7.46	-9.61
16	AUG803 74.75HV	38	112	9.59	-3.34	-7.36	-9.70	-12.05	-11.32	-10.72	-11.15
16	AUG803 8NS BS	38		2.36	3.58	3.71	8.45	6.54	24.45	10.66	22.10
16	AUG803 9HLHCVC	38	110	.	.	.	.	.	.	.	.
16	AUG80310FLD SM	38		9.2	15.0	17.1	15.8	14.8	15.7		
16	AUG80311LN SM	38	110	.	.	.	.	.	.	.	.
16	AUG80312LN SM	38	112	9.2	15.0	17.1	15.8	14.8	15.7		
16	AUG80313	38		.	.	.	.	.	.	.	.
16	AUG80314 PRTS	38	112	22.1		0.104	0.944				
16	AUG804 113.3VV	38	113	0.19	-0.08	-4.10	-7.66	-7.14	-10.29	-11.93	-11.55
16	AUG804 2.6HH	38	110	.	.	.	.	.	.	.	.
16	AUG804 31.6HV	38	113	-15.35	-25.85	-28.98	-35.02	-34.72	-39.46	-42.19	-42.22
16	AUG804 4.4HH	38	110	.	.	.	.	.	.	.	.
16	AUG804 5.4HV	38	110	.	.	.	.	.	.	.	.
16	AUG804 64.75HH	38	113	12.20	7.67	4.53	3.22	-0.60	-6.41	-6.25	-7.99
16	AUG804 74.75HV	38	113	7.20	-4.98	-9.72	-12.18	-13.90	-12.41	-12.20	-12.12
16	AUG804 8NS BS	38		2.93	4.72	4.48	10.06	7.91	22.49	12.58	40.90
16	AUG804 9HLHCVC	38	110	.	.	.	.	.	.	.	.
16	AUG80410FLD SM	38		2.3	10.8	15.0	12.9	13.8	18.7		
16	AUG80411LN SM	38	110	.	.	.	.	.	.	.	.
16	AUG80412LN SM	38	113	2.3	10.8	15.0	12.9	13.8	18.7		
16	AUG80413	38		.	.	.	.	.	.	.	.
16	AUG80414 PRTS	38	113	40.9		0.153	0.540	.	.	.	.
16	AUG801 113.3VV	38	120	.	.	.	.	.	.	.	.
16	AUG801 21.6HH	38	120	.	.	.	.	.	.	.	.
16	AUG801 31.6HV	38	120	.	.	.	.	.	.	.	.
16	AUG801 4.4HH	38	120	.	.	.	.	.	.	.	.
16	AUG801 5.4HV	38	120	.	.	.	.	.	.	.	.
16	AUG801 64.75HH	38	120	.	.	.	.	.	.	.	.
16	AUG801 74.75HV	38	121	2.01	-11.60	-15.49	-16.53	-18.90	-17.54	-17.17	-17.56
16	AUG801 8NS VS	38	120	.	.	.	.	.	.	.	.
16	AUG801 9HLHCVC	38	120	.	.	.	.	.	.	.	.
16	AUG80110FLD SM	38		4.0	5.5	14.3	12.2	17.1	20.5		
16	AUG80111LN SM	38		4.0	5.5	14.3	12.2	17.1	20.5		
16	AUG80112LN SM	38	120	.	.	.	.	.	.	.	.
16	AUG80113	38		.	.	.	.	.	.	.	.
16	AUG80114 PRTS	38	121	22.0		.	.	.	.	.	.
16	AUG802 113.3VV	38	110	.	.	.	.	.	.	.	.
16	AUG802 21.6HH	38	110	.	.	.	.	.	.	.	.
16	AUG802 31.6HV	38	112	-13.70	-22.86	-26.20	-30.13	-29.61	-32.07	-34.58	-36.97
16	AUG802 4.4HH	38	110	.	.	.	.	.	.	.	.
16	AUG802 5.4HV	38	112	-4.51	-19.13	-22.83	-30.60	-37.32	-45.98	-42.55	-50.47
16	AUG802 64.75HH	38	112	11.97	8.40	4.11	2.69	-1.43	-4.79	-4.46	-5.28
16	AUG802 74.75HV	38	112	16.77	-0.78	-3.93	-5.81	-5.82	-6.28	-5.17	-4.37
16	AUG802 8NS VS	38		1.56	2.74	2.19	9.88	6.78	16.58	6.40	19.90
16	AUG802 9HLHCVC	38	110	.	.	.	.	.	.	.	.
16	AUG80210FLD SM	38		13.2	17.2	19.8	18.4	19.0	20.5		
16	AUG80211LN SM	38	110	.	.	.	.	.	.	.	.
16	AUG80212LN SM	38		13.2	17.2	19.8	18.4	18.0	20.5		
16	AUG80213	38		.	.	.	.	.	.	.	.
16	AUG80214 PRTS	38	112	19.9		2.153	1.066	.	.	.	.
16	AUG803 113.3VV	38	112	2.28	1.77	-2.15	-6.76	-6.19	-10.09	-9.90	-10.44

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16	AUG803	21.6HH	3W	112	-5.20	-14.28	-13.55	-20.85	-20.07	-24.08	-26.48	-27.72
16	AUG803	31.6HV	3W	112	-14.18	-23.93	-26.53	-29.14	-29.40	-31.30	-34.39	-34.98
16	AUG803	4.4HH	3W	110	.	.	.	.	.	.	.	.
16	AUG803	5.4HV	3W	110	.	.	.	.	.	.	.	.
16	AUG803	64.75HH	3W	112	12.70	7.94	4.75	1.85	-0.86	-4.77	-4.65	-5.23
16	AUG803	74.75HV	3W	112	9.99	0.95	-0.52	-2.45	-4.34	-2.61	-1.94	-2.29
16	AUG803	8NS VS	3W	112	1.83	3.14	2.56	10.16	7.38	19.14	7.95	26.50
16	AUG803	9HLHCVC	3W	110	.	.	.	.	.	.	.	.
16	AUG803	10FLD SM	3W	110	2.9	11.9	14.2	13.4	12.1	15.8	.	.
16	AUG803	11LN SM	3W	110	.	.	.	.	.	.	.	.
16	AUG803	12LN SM	3W	112	8.9	11.9	14.2	13.4	12.1	15.8	.	.
16	AUG803	13	3W	112	.	.	.	.	.	.	.	.
16	AUG803	14 PRT5	3W	112	26.5	.	1.931	1.047	.	.	.	.
16	AUG804	113.3VV	3W	113	0.31	-0.92	-4.48	-7.51	-6.72	-9.38	-9.74	-8.52
16	AUG804	21.6HH	3W	110	.	.	.	.	.	.	.	.
16	AUG804	31.6HV	3W	113	-15.41	-25.12	-29.17	-31.74	-31.88	-33.15	-35.66	-35.83
16	AUG804	4.4HH	3W	110	.	.	.	.	.	.	.	.
16	AUG804	5.4HV	3W	110	.	.	.	.	.	.	.	.
16	AUG804	64.75HH	3W	113	12.46	7.35	4.05	1.42	-0.80	-4.11	-3.44	-3.37
16	AUG804	74.75HV	3W	113	7.94	-2.22	-4.95	-5.13	-6.88	-6.11	-5.18	-4.27
16	AUG804	8NS VS	3W	113	2.08	3.44	2.77	12.26	8.28	20.95	8.44	35.90
16	AUG804	9HLHCVC	3W	110	.	.	.	.	.	.	.	.
16	AUG804	10FLD SM	3W	110	4.7	14.2	18.1	15.1	16.3	17.5	.	.
16	AUG804	11LN SM	3W	110	.	.	.	.	.	.	.	.
16	AUG804	12LN SM	3W	113	4.7	14.2	18.1	15.1	16.3	17.5	.	.
16	AUG804	13	3W	113	.	.	.	.	.	.	.	.
16	AUG804	14 PRT5	3W	112	35.9	.	2.623	1.064	.	.	.	.
16	AUG801	113.3VV	4B	110	.	.	.	.	.	.	.	.
16	AUG801	21.6HH	4B	110	.	.	.	.	.	.	.	.
16	AUG801	31.6HV	4B	111	-13.26	-21.27	-27.31	-31.97	-35.08	-38.55	-41.91	-42.12
16	AUG801	4.4HH	4B	110	.	.	.	.	.	.	.	.
16	AUG801	5.4HV	4B	110	.	.	.	.	.	.	.	.
16	AUG801	64.75HH	4B	110	.	.	.	.	.	.	.	.
16	AUG801	74.75HV	4B	110	.	.	.	.	.	.	.	.
16	AUG801	8NS BS	4B	110	.	.	.	.	.	.	.	.
16	AUG801	9HLHCVC	4B	110	.	.	.	.	.	.	.	.
16	AUG801	10FLD SM	4B	111	1.9	3.8	12.5	10.7	14.3	17.4	.	.
16	AUG801	11LN SM	4B	111	1.9	3.8	12.5	10.7	14.3	17.4	.	.
16	AUG801	12LN SM	4B	110	.	.	.	.	.	.	.	.
16	AUG801	13	4B	111	.	.	.	.	.	.	.	.
16	AUG801	14 PRT5	4B	111	22.0	.	.	.	.	.	.	.
16	AUG802	113.3VV	4B	120	.	.	.	.	.	.	.	.
16	AUG802	21.6HH	4B	120	.	.	.	.	.	.	.	.
16	AUG802	31.6HV	4B	122	-12.21	-23.27	-26.82	-32.16	-32.84	-36.77	-39.64	-38.51
16	AUG802	4.4HH	4B	120	.	.	.	.	.	.	.	.
16	AUG802	5.4HV	4B	120	.	.	.	.	.	.	.	.
16	AUG802	64.75HH	4B	122	13.03	7.49	4.52	0.91	-3.14	-8.11	-8.63	-11.26
16	AUG802	74.75HV	4B	122	13.95	-4.28	-8.57	-9.98	-13.01	-11.61	-10.45	-11.06
16	AUG802	8NS BS	4B	122	2.39	3.93	3.77	8.85	7.09	24.98	10.70	22.10
16	AUG802	9HLHCVC	4B	120	.	.	.	.	.	.	.	.
16	AUG802	10FLD SM	4B	120	9.3	13.4	16.5	14.8	15.8	20.1	.	.
16	AUG802	11LN SM	4B	120	.	.	.	.	.	.	.	.
16	AUG802	12LN SM	4B	122	9.3	13.4	16.5	14.8	15.8	20.1	.	.
16	AUG802	13	4B	122	.	.	.	.	.	.	.	.
16	AUG802	14 PRT5	4B	122	22.1	.	0.289	0.950	.	.	.	.
16	AUG803	113.3VV	4B	120	.	.	.	.	.	.	.	.
16	AUG803	21.6HH	4B	120	.	.	.	.	.	.	.	.
16	AUG803	31.6HV	4B	122	-15.01	-23.38	-27.12	-30.87	-31.59	-36.78	-38.72	-39.48
16	AUG803	4.4HH	4B	120	.	.	.	.	.	.	.	.
16	AUG803	5.4HV	4B	120	.	.	.	.	.	.	.	.

16	AUG803	64.75HH	48	120																
16	AUG803	74.75HV	48	122	10.51	-2.70	-3.21	-10.05	-12.30	-11.59	-11.55	-12.53								
16	AUG803	8NS BS	48		20.55	4.10	4.03	9.13	7.43	26.17	11.57	30.20								
16	AUG803	9HLHCVC	48	120																
16	AUG803	10FLD SM	48		9.3	13.4	13.5	14.8	15.8	20.1										
16	AUG803	11LN SM	48	120																
16	AUG803	12LN SM	48	122	9.3	13.4	16.5	14.8	15.3	20.1										
16	AUG803	13	48																	
16	AUG803	14 PRTS	48	122	30.3		0.171	0.982												
16	AUG804	113.3VV	48	120																
16	AUG804	21.6HH	48	120																
16	AUG804	31.6HV	48	122	-17.37	-24.75	-28.75	-33.77	-33.60	-37.98	-39.96	-41.85								
16	AUG804	4.4HH	48	120																
16	AUG804	5.4HV	48	120																
16	AUG804	64.75HH	48	120																
16	AUG804	74.75HV	48	122	6.57	-10.19	-15.51	-15.89	-18.80	-12.35	-15.89	-13.07								
16	AUG804	8NS BS	48		2.71	4.36	4.16	9.26	7.38	26.55	11.61	40.20								
16	AUG804	9HLHCVC	48	120																
16	AUG804	10FLD SM	48		4.6	11.4	16.6	12.6	15.3	19.0										
16	AUG804	11LN SM	48	120																
16	AUG804	12LN SM	48	122	4.6	11.4	16.6	12.6	15.3	19.0										
16	AUG804	13	48																	
16	AUG804	14 PRTS	48	122	40.2		0.110	0.938												
16	AUG801	113.3VV	48	110																
16	AUG801	21.6HH	48	110																
16	AUG801	31.6HV	48	111	-13.06	-22.23	-26.74	-31.58	-33.84	-35.58	-38.76	-39.46								
16	AUG801	4.4HH	48	110																
16	AUG801	5.4HV	48	110																
16	AUG801	64.75HH	48	110																
16	AUG801	74.75HV	48	110																
16	AUG801	8NS VS	48	110																
16	AUG801	9HLHCVC	48	110																
16	AUG801	10FLD SM	48		1.4	2.4	10.4	9.1	12.6	17.3										
16	AUG801	11LN SM	48	111	1.4	2.4	10.4	9.1	12.6	17.3										
16	AUG801	12LN SM	48	110																
16	AUG801	13	48																	
16	AUG801	14 PRTS	48	111	21.4															
16	AUG802	113.3VV	48	120																
16	AUG802	21.6HH	48	120																
16	AUG802	31.6HV	48	122	-13.60	-24.35	-26.94	-29.54	-30.80	-34.92	-37.89	-36.26								
16	AUG802	4.4HH	48	120																
16	AUG802	5.4HV	48	120																
16	AUG802	64.75HH	48	122	11.97	6.90	3.20	0.33	-2.26	-5.80	-6.33	-7.71								
16	AUG802	74.75HV	48	122	8.87	-0.20	-3.50	-4.49	-7.72	-6.17	-6.82	-6.81								
16	AUG802	8NS VS	48		2.01	3.31	2.87	9.44	7.22	21.65	9.16	21.50								
16	AUG802	9HLHCVC	48	120																
16	AUG802	10FLD SM	48		9.7	14.0	15.3	14.6	13.8	17.7										
16	AUG802	11LN SM	48	120																
16	AUG802	12LN SM	48	122	9.7	14.0	15.3	14.6	13.8	17.7										
16	AUG802	13	48																	
16	AUG802	14 PRTS	48	122	21.5		1.355	1.017												
16	AUG803	113.3VV	48	120																
16	AUG803	21.6HH	48	120																
16	AUG803	31.6HV	48	122	-14.26	-24.08	-27.42	-30.03	-30.74	-32.54	-36.47	-36.47								
16	AUG803	4.4HH	48	120																
16	AUG803	5.4HV	48	120																
16	AUG803	64.75HH	48	120																
16	AUG803	74.75HV	48	122	11.27	0.38	-4.30	-5.64	-6.32	-6.53	-5.50	-5.27								
16	AUG803	8NS VS	48		2.17	3.68	3.24	9.56	7.55	23.53	10.12	29.00								
16	AUG803	9HLHCVC	48	120																

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16	AUG80310FLD	SM	4W	120	9.7	14.0	15.3	14.6	13.8	17.7		
16	AUG80311LN	SM	4W	120								
16	AUG80312LN	SM	4W	122	9.7	14.0	15.3	14.6	13.8	17.7		
16	AUG80313											
16	AUG80314	PRTS	4W	122	29.0		1.067	0.997				
16	AUG804	113.3VV	4W	120								
16	AUG804	21.6HH	4W	120								
16	AUG804	31.6HV	4W	122	-16.99	-24.92	-28.52	-32.50	-31.40	-1.69		
16	AUG804	4.4HH	4W	120								
16	AUG804	5.4HV	4W	120								
16	AUG804	64.75HH	4W	120								
16	AUG804	74.75HV	4W	122	7.59	-6.86	-9.64	-8.93	-10.49	-8.62		
16	AUG804	8NS	VS	4W	2.15	3.54	3.04	10.02	7.48	22.45	10.42	33.30
16	AUG804	9HLHCVC	4W	120								
16	AUG80410FLD	SM	4W		3.5	11.1	13.4	11.4	12.4	15.3		
16	AUG80411LN	SM	4W	120								
16	AUG80412LN	SM	4W	122	5.5	11.1	13.4	11.4	12.4	15.3		
16	AUG80413											
16	AUG80414	PRTS	4W	122	28.3		1.439	1.017				
16	AUG801	113.3VV	V2	111	-0.70	-4.20	-8.20	-6.60	-8.30	-10.50	-10.40	-10.40
16	AUG801	21.6HH	V2	111								
16	AUG801	31.6HV	V2	111	-15.90	-24.70	-27.80	-29.30	-29.00	-30.90	-33.50	-34.00
16	AUG801	4.4HH	V2	111	-12.00	-15.90	-21.20	-21.60	-23.10	-29.00	-32.20	-31.10
16	AUG801	5.4HV	V2	111	-23.60	-27.50	-32.00	-38.00	-41.10	-51.20	-52.00	-51.10
16	AUG801	64.75HH	V2	111	3.60	-4.20	-6.40	-6.50	-8.10	-9.70	-7.80	-10.20
16	AUG801	74.75HV	V2	111	0.90	-7.40	-11.80	-11.50	-15.30	-13.70	-11.30	-12.60
16	AUG801	8NS	L	V2	111	1.30	1.55	1.74	12.89	6.86		
16	AUG801	9HLHCVC	V2	111								
16	AUG80110FLD	SM	V2	111								
16	AUG80111LN	SM	V2	111								
16	AUG80112LN	SM	V2	111								
16	AUG80113		V2	111	1268.2	305.0						
16	AUG80114	PRTS	V2	111			4.276	1.151	3500.0			
16	AUG802	113.3VV	V2	112	-0.50	-2.30	-6.00	-7.50	-6.70	-8.70	-9.20	-8.70
16	AUG802	21.6HH	V2	112	-15.10	-17.50	-19.00	-20.60	-20.80	-22.50	-26.10	-25.40
16	AUG802	31.6HV	V2	112	-13.90	-23.10	-25.80	-26.50	-27.40	-29.20	-31.30	-31.00
16	AUG802	4.4HH	V2	112	-10.70	-15.30	-19.20	-22.70	-25.20	-29.80	-30.60	-30.40
16	AUG802	5.4HV	V2	112	-19.20	-22.80	-27.30	-30.70	-33.90	-43.90	-45.10	-45.80
16	AUG802	64.75HH	V2	112	7.90	1.60	-1.40	-1.90	-2.60	-5.30	-4.80	-6.40
16	AUG802	74.75HV	V2	112	9.50	2.30	-1.60	-1.70	-4.40	-2.80	-2.10	-3.70
16	AUG802	8NS	L	V2	0.99	1.87	1.16	11.89	7.34	12.38	4.92	
16	AUG802	9HLHCVC	V2	112								
16	AUG80210FLD	SM	V2	112								
16	AUG80211LN	SM	V2	112								
16	AUG80212LN	SM	V2	112								
16	AUG80213		V2	112	1268.2	305.0						
16	AUG80214	PRTS	V2	112			3.936	1.150	3500.0			
16	AUG803	113.3VV	V2	112	-0.40	-1.60	-5.00	-7.10	-5.60	-8.10	-8.00	-8.70
16	AUG803	21.6HH	V2	112	-15.60	-19.40	-18.30	-21.80	-20.00	-23.40	-25.50	-27.30
16	AUG803	31.6HV	V2	112	-14.30	-24.00	-25.30	-27.80	-26.90	-28.00	-32.00	-30.00
16	AUG803	4.4HH	V2	112	-11.60	-16.30	-21.20	-23.60	-26.20	-31.60	-32.10	-31.30
16	AUG803	5.4HV	V2	112	-21.80	-25.50	-29.60	-34.30	-38.30	-46.10	-49.60	-49.40
16	AUG803	64.75HH	V2	112	11.40	2.70	-0.30	-1.00	-2.30	-3.80	-3.00	-4.30
16	AUG803	74.75HV	V2	112	10.60	2.60	-0.20	-0.80	-3.70	1.40	-0.80	-1.50
16	AUG803	8NS	L	V2	1.13	2.08	1.39	12.49	8.25	15.05	5.48	
16	AUG803	9HLHCVC	V2	112								
16	AUG80310FLD	SM	V2	112								
16	AUG80311LN	SM	V2	112								
16	AUG80312LN	SM	V2	112								
16	AUG80313		V2	112	1258.2	350.0						